



Solaris 10 5/08 Release Notes



Sun Microsystems, Inc.
4150 Network Circle
Santa Clara, CA 95054
U.S.A.

Part No: 820-4078-13
April 2008

Copyright 2008 Sun Microsystems, Inc. 4150 Network Circle, Santa Clara, CA 95054 U.S.A. All rights reserved.

Sun Microsystems, Inc. has intellectual property rights relating to technology embodied in the product that is described in this document. In particular, and without limitation, these intellectual property rights may include one or more U.S. patents or pending patent applications in the U.S. and in other countries.

U.S. Government Rights – Commercial software. Government users are subject to the Sun Microsystems, Inc. standard license agreement and applicable provisions of the FAR and its supplements.

This distribution may include materials developed by third parties.

Parts of the product may be derived from Berkeley BSD systems, licensed from the University of California. UNIX is a registered trademark in the U.S. and other countries, exclusively licensed through X/Open Company, Ltd.

Sun, Sun Microsystems, the Sun logo, the Solaris logo, the Java Coffee Cup logo, docs.sun.com, Java, and Solaris are trademarks or registered trademarks of Sun Microsystems, Inc. in the U.S. and other countries. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. in the U.S. and other countries. Products bearing SPARC trademarks are based upon an architecture developed by Sun Microsystems, Inc.

The OPEN LOOK and SunTM Graphical User Interface was developed by Sun Microsystems, Inc. for its users and licensees. Sun acknowledges the pioneering efforts of Xerox in researching and developing the concept of visual or graphical user interfaces for the computer industry. Sun holds a non-exclusive license from Xerox to the Xerox Graphical User Interface, which license also covers Sun's licensees who implement OPEN LOOK GUIs and otherwise comply with Sun's written license agreements.

Products covered by and information contained in this publication are controlled by U.S. Export Control laws and may be subject to the export or import laws in other countries. Nuclear, missile, chemical or biological weapons or nuclear maritime end uses or end users, whether direct or indirect, are strictly prohibited. Export or reexport to countries subject to U.S. embargo or to entities identified on U.S. export exclusion lists, including, but not limited to, the denied persons and specially designated nationals lists is strictly prohibited.

DOCUMENTATION IS PROVIDED "AS IS" AND ALL EXPRESS OR IMPLIED CONDITIONS, REPRESENTATIONS AND WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT, ARE DISCLAIMED, EXCEPT TO THE EXTENT THAT SUCH DISCLAIMERS ARE HELD TO BE LEGALLY INVALID.

Copyright 2008 Sun Microsystems, Inc. 4150 Network Circle, Santa Clara, CA 95054 U.S.A. Tous droits réservés.

Sun Microsystems, Inc. détient les droits de propriété intellectuelle relatifs à la technologie incorporée dans le produit qui est décrit dans ce document. En particulier, et ce sans limitation, ces droits de propriété intellectuelle peuvent inclure un ou plusieurs brevets américains ou des applications de brevet en attente aux Etats-Unis et dans d'autres pays.

Cette distribution peut comprendre des composants développés par des tierces personnes.

Certains composants de ce produit peuvent être dérivées du logiciel Berkeley BSD, licenciés par l'Université de Californie. UNIX est une marque déposée aux Etats-Unis et dans d'autres pays; elle est licenciée exclusivement par X/Open Company, Ltd.

Sun, Sun Microsystems, le logo Sun, le logo Solaris, le logo Java Coffee Cup, docs.sun.com, Java et Solaris sont des marques de fabrique ou des marques déposées de Sun Microsystems, Inc. aux Etats-Unis et dans d'autres pays. Toutes les marques SPARC sont utilisées sous licence et sont des marques de fabrique ou des marques déposées de SPARC International, Inc. aux Etats-Unis et dans d'autres pays. Les produits portant les marques SPARC sont basés sur une architecture développée par Sun Microsystems, Inc.

L'interface d'utilisation graphique OPEN LOOK et Sun a été développée par Sun Microsystems, Inc. pour ses utilisateurs et licenciés. Sun reconnaît les efforts de pionniers de Xerox pour la recherche et le développement du concept des interfaces d'utilisation visuelle ou graphique pour l'industrie de l'informatique. Sun détient une licence non exclusive de Xerox sur l'interface d'utilisation graphique Xerox, cette licence couvrant également les licenciés de Sun qui mettent en place l'interface d'utilisation graphique OPEN LOOK et qui, en outre, se conforment aux licences écrites de Sun.

Les produits qui font l'objet de cette publication et les informations qu'il contient sont régis par la législation américaine en matière de contrôle des exportations et peuvent être soumis au droit d'autres pays dans le domaine des exportations et importations. Les utilisations finales, ou utilisateurs finaux, pour des armes nucléaires, des missiles, des armes chimiques ou biologiques ou pour le nucléaire maritime, directement ou indirectement, sont strictement interdites. Les exportations ou réexportations vers des pays sous embargo des Etats-Unis, ou vers des entités figurant sur les listes d'exclusion d'exportation américaines, y compris, mais de manière non exclusive, la liste de personnes qui font objet d'un ordre de ne pas participer, d'une façon directe ou indirecte, aux exportations des produits ou des services qui sont régis par la législation américaine en matière de contrôle des exportations et la liste de ressortissants spécifiquement désignés, sont rigoureusement interdites.

LA DOCUMENTATION EST FOURNIE "EN L'ETAT" ET TOUTES AUTRES CONDITIONS, DECLARATIONS ET GARANTIES EXPRESSES OU TACITES SONT FORMELLEMENT EXCLUES, DANS LA MESURE AUTORISEE PAR LA LOI APPLICABLE, Y COMPRIS NOTAMMENT TOUTE GARANTIE IMPLICITE RELATIVE A LA QUALITE MARCHANDE, A L'APTITUDE A UNE UTILISATION PARTICULIERE OU A L'ABSENCE DE CONTREFACON.

Contents

Preface	13
1 Installation Issues	17
General Information	17
New Minimum Memory Requirement	17
Changes in Upgrade Support for Solaris Releases	17
SPARC: Supported Memory Configuration for Newboot	18
Support for Products Not Part of the Solaris OS	18
Before You Begin	18
Solaris Live Upgrade and Solaris Zones	18
Solaris Live Upgrade Restrictions	19
Upgrading a Solaris Trusted Extensions System That is Configured with Labeled Zones .	19
Patching Miniroot on x86 Machines	21
Solaris Data Encryption Supplement on Solaris 10 Updates	21
Additional Procedures Required When Installing Patches for Solaris 10 5/08 Release	21
x86: Systems With e1x or pce1x NICs Fail Network Configuration	21
Default Size of /var File System Inadequate	22
x86: Do Not Upgrade Hewlett-Packard (HP) Vectra XU Series Systems With BIOS Version GG.06.13	23
SPARC: Older Firmware Might Need Boot Flash PROM Update	23
Additional Patches Are Needed to Run Solaris Live Upgrade	24
Solaris Management Console 2.1 Software Is Not Compatible With Solaris Management Console 1.0, 1.0.1, or 1.0.2 Software	24
x86: Failure of BIOS Device Utility Prevents Installation or Upgrade From Being Completed (6362108)	26
Cannot Create a Solaris Flash Archive When Solaris Zones Are Installed (6246943)	27
x86: Sun Java Workstations 2100Z Might Panic When Booting From Solaris 10 Operating System DVD (6214356)	28
x86: Serial Consoles of Some Sun Fire Systems Do Not Work (6208412)	30

Solaris Installation GUI Program Might Fail on Systems With Existing x86 fdisk Boot Partitions (6186606)	30
Installation Bugs	31
Some Asian Locales Cannot Be Used for Custom JumpStart (6681454)	31
SPARC: Solaris 8 Migration Assistant Patch Requirements (6673751)	32
PRODRM Has Problems Deleting prodreg Entry For Solaris Trusted Extensions (6616592)	32
Reboot Now Button Is Unresponsive (6270371)	32
Sun Upgrade Detailed Patch Analysis Panel Not Scrollable (6597686)	33
SPARC: luupgrade Fails When Using a CD to Upgrade (6573154)	33
Panic in PCIe as dev_info Node Has No Parent Data (6517798)	34
The Linux Partition Does Not Display on the GRUB Menu After Installing the Solaris OS (6508647)	35
x86: Install Hangs on Systems With 512 Mbyte of Memory (6423854)	35
x86: Invalid /sbin/dhccpinfo Error During Installation (6332044)	36
x86: Installation From CD Media Appears to Hang After Reboot Selection (6270371)	36
x86: System Fails to Boot After Custom JumpStart Installation (6205478)	37
x86: GUI Interactive Installation From DVD Fails if boot-device Variable Is Not Set (5065465)	38
x86: USB Keyboards Might Freeze During Install on Some Dell Precision Workstations (4888849)	38
Warnings Might Occur When a File System Is Created (4189127)	38
Upgrade Issues and Bugs	39
lucreate and lumake Commands Fail on Non-Global Zones (6659451)	39
SPARC: Upgrading with Solaris Live Upgrade From Solaris 8 and Solaris 9 Releases Fails (6638175)	40
Incorrect Permissions on /tmp in Non-Global Zones After Solaris Live Upgrade (6619278)	40
Issues With DSR Upgrade With Zones (6616788)	41
Solaris Trusted Extensions Upgrade Issues (6616585)	41
System Cannot Communicate With ypbind After Upgrade (6488549)	42
Upgrade Fails on System With Zones That Have Been Installed But Not Booted	43
Upgrading a Solaris 10 System with Non-Global Zones to the Solaris 10 5/08 Release Might Cause the Local File System Service to Fail (6428258)	43
Device ID Discrepancies After Upgrading From Solaris 9 9/04 OS	44
x86: Adding Driver Updates Might Cause Failure of Network Configuration (6353146) ..	44
x86: Cannot Delete the Solaris Live Upgrade Boot Environment That Contains the GRand	

Unified Bootloader Menu (6341350)	45
Solaris Live Upgrade luupgrade Command Missing the Progress Bar (6239850)	45
SPARC: Upgrading From Solaris 9 Releases With Recommended Patch Cluster Partially Succeeds (6202868)	46
Obsolete Uninstallers Not Removed When You Use Solaris Live Upgrade to Upgrade From Previous Solaris Releases (6198380)	47
Configuration File pam.conf Not Automatically Updated After an Upgrade (5060721) ...	49
Installer Text Display Problem When Using Solaris Live Upgrade (4736488)	49
SPARC: Removal of SUNWjxcft Package Records Error During Upgrade (4525236)	50
Upgrading to Solaris 10 Release Might Disable Existing Secure Shell Daemon (sshd) (4626093)	50
Upgrade Fails if /export Directory Is Near Capacity (4409601)	50
Upgrading Diskless Client Servers and Clients (4363078)	51
Additional Installation Issues	51
smoservice add Command Does Not Install Designated ARCH=all Packages (4871256)	52
StarOffice and StarSuite Software Cannot Coexist in the Same System	52
Additional Related Locales Might Be Installed	53
2 Solaris Runtime Issues	55
Common Desktop Environment	55
Remote Multilevel Login From the Login Screen Is Not Supported in Solaris Trusted Extensions (6616030)	55
Trusted Stripe Disappears From the Screen After Resolution Change (6460624)	56
x86: kdmconfig Command Does Not Create System Identification Configuration File for Xorg X Server (6217442)	56
CDE Removable Media Auto Run Capability Removed (4634260)	57
Solaris PDASync Cannot Delete Last Entry From the Desktop (4260435)	57
File Systems	57
x86: raidctl Fails to Create VDs on Dell SAS6i/R (6669169)	57
x86: ata Timeouts During Boot (6586621)	58
zoneadm install Fails With a ZFS Legacy Mount (6449301)	60
ZFS and UNIX/POSIX Compliance Issues	60
fdisk -E Can Sweep Disk Used by ZFS Without Warning (6412771)	60
ZFS and Third-Party Backup Product Issues	61
ZFS GUI Should Check For /usr/lib/embedded_su at the Beginning of Each Wizard (6326334)	62

Fails to Sync File System on Panic (6250422)	62
Upgrading From Some Solaris Express or Solaris 10 Releases Requires Remounting of File Systems	62
NFSv4 Access Control List Functions Might Work Incorrectly	63
Access Problems Between Solaris NFSv4 Clients and NFSv4 Servers	63
Using mkfs Command to Create File System Might Fail on Very Large Disks (6352813) ..	64
System Crash Dump Fails on Devices Greater Than 1 TByte (6214480)	64
Using smosservice Command to Add OS Services Results in Insufficient Disk Space Message (5073840)	64
Hardware-Related Issues and Bugs	65
SPARC: SCSI Second Disk Fails to Attach After Solaris Live Upgrade (6684776)	65
x86: Cannot Enable MPxIO (6664694)	65
64-bit SPARC: DR Operations Involving Lowest CPU ID Fail (6663570)	66
SPARC: 19.55% Performance Regression for the NCP Device Driver (6660074)	66
64-bit SPARC: Some DR Commands Fail (6614737)	66
The (ZFS) ARC Allocates Memory Inside The Kernel Cage Preventing DR (6522017)	67
mpathadm Does Not Display Load-Balance Setting Specific to Device	67
Registration Tool Prevents Power Management on Some Framebuffers (6321362)	67
SPARC: Sun Crypto Accelerator 4000 Board Versions 1.0 and 1.1 Not Supported in Solaris 10 OS	68
Certain USB 2.0 Controllers Are Disabled	68
Supported USB Devices and Corresponding Hub Configurations	68
x86: Limitations Exist With Certain Device Drivers in Solaris 10 OS	69
DVD-ROM/CD-ROM Drives on Headless Systems	69
x86: Manual Configuration Required to Specify Non-US English Keyboards	69
SPARC: jfca Driver for Certain Host Bus Adapters That Are Connected to Tape Devices Might Cause Errors (6210240)	70
Contention Exists Between Certain Devices That Share the Same Bus (6196994)	71
hat_getkpfnum() DDI Function Is Obsolete (5046984)	72
Some DVD and CD-ROM Drives Fail to Boot Solaris (4397457)	72
iPlanet Directory Server 5.1 Issues	73
Installing Directory Server 5.1	73
Migrating to the Sun Java System Directory Server 5 2005Q1	74
Issues While Running Debugger	75
x86: Unexpected SIGTRAP Signal Causes dbx Debugger to Hang (6546562)	75
SPARC: Problems With dbx Debugger While Processing 64-bit Objects (6347707)	76
System Might Loop When Master CPU Is Changed (4405263)	76

Localization Issues	77
Multiple Input Method Switcher Applications Appear in Trusted Java DS	77
Wnn8 Japanese Input Method	78
Input Method Cannot Be Enabled With Primary Administrator Rights (6475081)	78
New ChuYin Input Method Not Supported in Upgrade to IIMF rev.12 (6492129)	78
AltGr Does Not Work As Mode Switcher in Some Russian Locales (6487712)	79
Arabic Text Not Appearing in ar Locales	79
Solaris PDASync Does Not Support Data Exchange With the Multibyte Internationalized PDA Device (4263814)	79
Several Arabic Fonts Do Not Work in GNOME (6384024)	80
Unable to Switch Input Language on Session-Saved Applications (6360759)	80
Keyboard Shortcuts in Mozilla in ES Locale Are Unusual and Ambiguous (6288620)	80
Migration Note to UTF-8 locales	81
Hardware for Some Keyboards Layouts Type 6 and 7 Not Available	83
Sort Capability in the European UTF-8 Locales Does Not Function Correctly (4307314) ..	84
Networking Issues	85
nxge Driver Panics in nxge_fflp_stat_update (6644276)	85
SPARC: NFS/RDMA Connection Errors (6229077)	85
Login Fails on iSCSI Target With Two Portals and One Bad Portal (6476060)	85
System Domain of Interpretation Is Not Configurable (6314248)	86
IP Forwarding Disabled by Default in Solaris 10 OS	86
Zone Not Booting When IP Address Belongs to a Failed IP Network Multipathing Group (6184000)	86
Intermittent Errors Might Occur With the Use of DataDigests (5108515)	87
Configuring Multiple Tunnels Between Two IP Nodes With Filtering Enabled Might Result in Packet Loss (4152864)	87
Security Issues	87
KDC Daemons Fail to Start (6623803)	87
Nonpassword Logins Fail With pam_ldap Enabled (6365896)	88
Incorrect Parameters Might Cause Panic in Sun StorEdge T3 (4319812)	88
Service Management Facility	88
Login Prompts Sometimes Appear Before File Systems Are Mounted (5082164)	88
Smart Card	89
System Does Not Respond to Smart Card (4415094)	89
Solaris Commands and Standards	89
Changed Man Pages for Solaris Trusted Extensions Are in Reference Manual Only	89

Bash 2.0.5b No Longer Sets Some Environment Variables	90
New ln Utility Requires -f Option	90
New tcsh Rejects setenv Variable Names That Use a Dash or an Equals Sign	90
STDIO getc Family EOF Condition Behavior Change	91
Output Columns of the ps Command Have Been Widened	91
Command ping -v Does Not Work on IPv6 Addresses (4984993)	92
Solaris Volume Manager	92
Solaris Volume Manager metattach Command Might Fail	92
Solaris Volume Manager metassist Command Fails in Non-English Locales (5067097)	93
Volume Creation Fails in Systems With Unformatted Disks (5064066)	93
Hot Spares Do Not Work Correctly When Solaris Volume Manager RAID-1 (Mirror) or RAID-5 Volumes Are Created in Disk Sets Built on Soft Partitions (4981358)	94
Solaris Volume Manager metadevadm Command Fails if Logical Device Name No Longer Exists (4645721)	94
Solaris Volume Manager metarecover Command Fails to Update metadb Namespace (4645776)	95
Sun Java Desktop System	95
Email and Calendar	95
Login Issues	96
Help System	97
Mozilla Browser	97
System-Level Issues	97
Problems With Sound Recorder	98
Nautilus ACL MASK is Not in Sync With Group Permissions (6464485)	98
strftime(3c) Should Support GNU Extension in %-m And %-d (6448815)	98
x86: Cannot Configure Full-Screen Magnification on Systems With One Video Card	99
x86: Problems Configuring USB Mouse Device as Extension Device for Use With GNOME On-Screen Keyboard	101
Certain View Options Might Cause File Manager to Fail (6233643)	104
Problems Creating Certain Types of Archives (5082008)	104
System Administration	104
Cannot Log In to Solaris Management Console After Enabling Solaris Trusted Extensions (6639493)	105
zoneadm attach Command Might Fail (6550154)	105
Solaris is Unable to Handle Mode Switches Between Legacy and AHCI Modes for the SATA Controller (6520224)	105

Deferred Activation Patching (6486471)	106
Possible Error With 32-bit Applications Getting File System State on Large File Systems (6468905)	107
Using patchadd With the -R Option To Specify an Alternative Root Path From Systems That Are Not Zones Aware Should Be Restricted (6464969)	107
Sun Patch Manager Tool 2.0 Not Compatible With Previous Versions	108
Cannot Delete Existing Diskless Clients From the System (6205746)	109
SPARC: smosservice delete Command Does Not Successfully Remove All Directories (6192105)	109
kill -HUP Does Not Always Cause the Agent to Reread the snmpd.conf Configuration File (4988483)	110
x86: Pressing the F4 Key During BIOS Bootup Fails to Boot the Service Partition (4782757, 5051157)	110
Some com.sun Application Programming Interface Method Invocations Fail Under XML/HTTP Transport Protocol (4497393, 4497399, 4497406, 4497411)	110
3 System-Specific Issues	113
Dynamic Reconfiguration on Sun Fire High-End Systems	113
Known Software and Hardware Bugs	114
Dynamic Reconfiguration on Sun Fire Midrange Systems	115
Minimum System Controller Firmware	115
Known DR Software Bugs	116
Sun Enterprise 10000 Release Notes	117
System Service Processor Requirement	117
Dynamic Reconfiguration Issues	117
InterDomain Networks	118
OpenBoot PROM Variables	118
Dynamic Reconfiguration on Sun Enterprise Midrange Systems	119
Supported Hardware	119
Software Notes	120
Known Bugs	122
4 End-of-Software Support Statements	123
Features That Might Be Removed in a Future Release	123
genlayouttbl Utility	123
Mobile IP	123

Gnopernicus	123
Xsun Server	124
Common Desktop Environment	124
CDE Image Viewer	124
Sun Java System Calendar Server Client Applet	124
DARPA Trivial Name Server	124
I2O Intelligent I/O	124
GNOME Viewer for PDF and PostScript Files	124
The Graphical Smartcard Admin Interface	125
iButton Smartcard	125
Cyberflex Smartcard	125
PAM Smartcard	125
OCF/SCF Smartcard Framework	125
SCF Smartcard APIs	125
Remote Program Load Server Functionality	126
Transition From ipge to e1000g NIC Driver as the Default Ethernet Driver for Sun4V Systems	126
Solstice Enterprise Agents Support	126
Mozilla 1.X Support	126
32-bit x86: Extended Memory File System Support	126
Standard Type Services Framework Support	127
SPARC: jfca Driver Support	127
zic -s Option Support	127
Removable Volume Management Support	127
32-bit x86: Controller Devices and Drivers	127
64-bit SPARC: Dual Basic Rate ISDN Interface and Multimedia Codec Chips	128
SPARC: Certain Drivers Might Not be Supported in a Future Solaris Release	128
Automated Security Enhancement Tool Support	128
Asian Short dt login Names	128
Audit Daemon Interfaces	129
Cfront Runtime Support Library	129
Configuration Assistant's fp Plug-in Hardware Options	129
Device Allocation Interfaces For the Basic Security Module	129
Obsolete Device Driver Interfaces	130
Device Management Entries in power.conf	132
Device Support and Driver Software	132

Form and Menu Language Interpreter	132
Host Files in /etc/net/ti*	132
Java 2 Platform, Standard Edition 1.4	132
Kerberos Ticket Lifetime Parameters in krb5.conf	133
Korean CID Fonts	133
Legacy or Traditional Non-UTF-8 Locales	133
Functions in the CPU Performance Counters Library (libcp)	133
libXinput Library	135
Network Information Service Plus (NIS+) Name Service Type	135
nstest Test Program	135
Perl Version 5.6.1	135
Solaris Management Console Patch Tool (Patch Manager)	136
Solstice Enterprise Agents	136
Standalone Router Discovery	136
Sun Fire Link Interfaces	136
Sun Java Desktop System Applications	136
Token Ring and Fiber Distributed Data Interface Device Types	137
WBEM-based Dynamic Reconfiguration	137
XIL Interface	137
xetops Utility	138
x86: Xsun DDX Modules, Library, and Related Files	138
5 Documentation Issues	139
Solaris ZFS Administration Guide	139
System Administration Guide: IP Services	139
System Administration Guide: Naming and Directory Services (NIS+)	140
Discontinuation of Swedish Documentation	140
Application Server Documentation Refers to Derby Database Instead of Java DB	140
Documents on the Software Supplement CD	140
System Administration Guide: Basic Administration	140
Managing Diskless Clients (Tasks)	141
Solaris 10 Start Here and Solaris 10 Installation Guides	141
Solaris 10 Installation Guide: Basic Installations	141
Solaris 10 Installation Guide: Network-Based Installations	141
Solaris 10 Installation Guide: Solaris Live Upgrade and Upgrade Planning	142

- Solaris 10 Installation Guide: Custom JumpStart and Advanced Installations 142
- Solaris 10 Start Here 142
- Solaris 10 Documentation and Man Pages 142

- 6 What's New in Solaris 10 5/08 143**
 - x86: PowerNow! Support for AMD Family 10h Processors 143

- A Table of Integrated Bug Fixes in the Solaris 10 Operating System 145**
 - Fixed and Integrated Bugs 145

- B Solaris 10 Operating System Patch List 153**
 - SPARC Patch List 153
 - x86 Patch List 216

Preface

This document describes the Solaris 10 5/08 operating system. For information about the Solaris 10 3/05, Solaris 10 3/05 HW1, Solaris 10 3/05 HW2, Solaris 10 1/06, Solaris 10 6/06, Solaris 10 11/06, and Solaris 10 8/07, see the “Solaris 10 Release Notes”, Sun part number 820–1259.

The *Solaris 10 5/08 Release Notes* contain installation and runtime problem details. Also included are end-of-software support statements for the Solaris™ 10 Operating System.

Note – For the latest version of the Solaris 10 5/08 Release Notes document, search for Solaris 10 5/08 Release Notes on <http://docs.sun.com>.

Note – This Solaris release supports systems that use the SPARC® and x86 families of processor architectures: UltraSPARC®, SPARC64, AMD64, Pentium, and Xeon EM64T. The supported systems appear in the *Solaris 10 Hardware Compatibility List* at <http://www.sun.com/bigadmin/hcl>. This document cites any implementation differences between the platform types.

In this document the term “x86” refers to 64-bit and 32-bit systems manufactured using processors compatible with the AMD64 or Intel Xeon/Pentium product families. For supported systems, see the *Solaris 10 Hardware Compatibility List*.

Who Should Use This Book

These notes are for users and system administrators who install and use the Solaris 10 software.

Related Books

You might need to refer to the following documentation when you install Solaris software:

- Java Desktop System Release 3 Solaris 10 Collection
- *Solaris 10 Start Here* card
- *Solaris 10 What's New*
- *Solaris 10 5/08 Installation Guide: Basic Installations*
- *Solaris 10 5/08 Installation Guide: Planning for Installation and Upgrade*
- *Solaris 10 5/08 Installation Guide: Solaris Live Upgrade and Upgrade Planning*
- *Solaris 10 5/08 Installation Guide: Network-Based Installations*
- *Solaris 10 5/08 Installation Guide: Custom JumpStart and Advanced Installations*
- *Solaris 10 System Administrator Collection*

For information on current CERT advisories, see the official CERT web site at <http://www.cert.org>.

For some hardware configurations, you might need supplemental hardware-specific instructions for installing the Solaris software. If your system requires hardware-specific actions at certain points, the manufacturer of your hardware has provided supplemental Solaris installation documentation. Refer to those materials, such as *Solaris Sun Hardware Platform Guide*, for hardware-specific installation instructions.

Third-Party Web Site References

Third-party URLs are referenced in this document and provide additional, related information.

Note – Sun is not responsible for the availability of third-party web sites mentioned in this document. Sun does not endorse and is not responsible or liable for any content, advertising, products, or other material on or available from such sites or resources. Sun will not be responsible or liable for any damage or loss caused or alleged to be caused by or in connection with use of or reliance on any such content, goods, or services that are available on or through any such sites or resources.

Documentation, Support, and Training

The Sun web site provides information about the following additional resources:

- Documentation (<http://www.sun.com/documentation/>)
- Support (<http://www.sun.com/support/>)
- Training (<http://www.sun.com/training/>)

Typographic Conventions

The following table describes the typographic conventions that are used in this book.

TABLE P-1 Typographic Conventions

Typeface	Meaning	Example
AaBbCc123	The names of commands, files, and directories, and onscreen computer output	Edit your <code>.login</code> file. Use <code>ls -a</code> to list all files. <code>machine_name%</code> you have mail.
AaBbCc123	What you type, contrasted with onscreen computer output	<code>machine_name% su</code> Password:
<i>aabbcc123</i>	Placeholder: replace with a real name or value	The command to remove a file is <i>rm filename</i> .
<i>AaBbCc123</i>	Book titles, new terms, and terms to be emphasized	Read Chapter 6 in the <i>User's Guide</i> . A <i>cache</i> is a copy that is stored locally. Do <i>not</i> save the file. Note: Some emphasized items appear bold online.

Shell Prompts in Command Examples

The following table shows the default UNIX® system prompt and superuser prompt for the C shell, Bourne shell, and Korn shell.

TABLE P-2 Shell Prompts

Shell	Prompt
C shell	machine_name%
C shell for superuser	machine_name#
Bourne shell and Korn shell	\$
Bourne shell and Korn shell for superuser	#

Installation Issues

This chapter describes problems that relate to the installation of the Solaris 10 Operating System.

Note – Some of the issues and bugs in this chapter have been fixed in subsequent Solaris 10 releases. If you have upgraded your Solaris software, certain issues and bugs in this chapter might no longer apply. To see which bugs and issues no longer apply to your specific Solaris 10 software, refer to [Appendix A, “Table of Integrated Bug Fixes in the Solaris 10 Operating System.”](#)

General Information

This section provides general information such as behavior changes in Solaris 10 OS.

New Minimum Memory Requirement

Starting with the Solaris 10 8/07 release, all x86 based systems must now have at least 384 Mbytes of RAM to run the Solaris software.

Changes in Upgrade Support for Solaris Releases

Starting with the Solaris 10 8/07 release, for SPARC systems, you can upgrade the Solaris OS only from the following releases:

- Solaris 8 OS
- Solaris 9 OS
- Solaris 10 OS

For x86 systems, you can upgrade the Solaris OS only from the following releases:

- Solaris 9 OS
- Solaris 10 OS

To upgrade releases previous to the Solaris 8 software to the Solaris 10 5/08 software, upgrade to any of the releases in the preceding list first. Then upgrade to the Solaris 10 8/07 release.

SPARC: Supported Memory Configuration for Newboot

Solaris releases that support the SPARC Newboot feature might require SPARC systems with at least 512 Mbytes of memory.

Support for Products Not Part of the Solaris OS

Although the Solaris 10 software has been tested for compatibility with previous releases, some third-party applications might not be fully ABI compliant. Contact the supplier of these applications directly for information about compatibility.

Your system might run both a Solaris OS and other products that are not part of the Solaris software. These products might be supplied by either Sun or another company. If you upgrade this system to the Solaris 10 release, make sure that these other products are also supported on the Solaris 10 OS. Depending on the status of each of these products, you can perform one of the following options:

- Verify that the existing version of the product is supported on the Solaris 10 software.
- Install a new version of the product that is supported on the Solaris 10 release. You might need to remove the previous version of the product prior to upgrading to the Solaris software. See the product documentation for more details.
- Remove the product prior to upgrading to the Solaris 10 software.

Before You Begin

This section contains critical installation issues that you need to be aware of before installing or upgrading to Solaris 10 OS. These issues might have an impact that would prevent installation or upgrades from completing successfully. If bugs in this section apply to your system, you might need to perform the recommended workarounds before you install or upgrade.

Solaris Live Upgrade and Solaris Zones

Starting with the Solaris 10 8/07 release, Using Solaris Live Upgrade with Solaris zones is supported. For more information about this, search for InfoDoc 72099 on the SunSolveSM web site.

Solaris Live Upgrade Restrictions

The Solaris 10 5/08 release has the following Solaris Live Upgrade restrictions:

- Solaris Live Upgrade from the Solaris 8 release to the Solaris 10 5/08 release is not supported. Instead, use the standard upgrade procedure or perform a Solaris Live Upgrade from the Solaris 8 OS to the Solaris 9 OS or to the Solaris 10 OS. Then you can perform a Solaris Live Upgrade from the Solaris 9 release or the Solaris 10 release to the 10 5/08.
- To upgrade your current Solaris 9 OS to the Solaris 10 5/08 release using Solaris Live Upgrade, apply the following patches:
 - For SPARC systems– 137477-01 or later
 - For x86 systems– 137478-01 or later
- To upgrade your current Solaris 10 OS to the 10 5/08 release by using Solaris Live Upgrade, apply the following patches:
 - For SPARC systems– 137321-01 or later
 - For x86 systems– 137322-01 or later

These patches include the new p7zip functionality. Unzip the compressed installation images by using this new p7zip utility.

Note – The ‘minimum required patch information for Solaris Live Upgrade in Infodoc 72099 is now in Infodoc 206844.

Upgrading a Solaris Trusted Extensions System That is Configured with Labeled Zones

Solaris systems that are configured with Solaris Trusted Extensions use non-global zones. Upgrading these systems is the same as upgrading a Solaris system that uses zones, and has the same issues.

- **ZFS Zones**– Solaris systems with ZFS zones cannot currently be upgraded. For Solaris Trusted Extensions systems with ZFS zones, the alternative is to recreate the zones. To recreate the zones, perform these steps:
 1. First, back up all the data using the `tar -T` command.
 2. Then delete the zones.
 3. Upgrade the system and reconfigure all the zones.
 4. After all the zones are configured, restore all the data.
- **NFSv4 domain**– After upgrade, when you bring up each labeled zone, you will be prompted for the NFSv4 domain. To avoid this prompt, before upgrade add the correct `NFSMAPID_DOMAIN` value in the `/etc/default/nfs` file in each labeled zone. For more information, see CR 5110062.

- **Live Upgrade**– Two bugs affect Live Upgrade of Solaris systems with zones:
 - “[lucreate and lumake Commands Fail on Non-Global Zones \(6659451\)](#)” on page 39
 - “[Incorrect Permissions on /tmp in Non-Global Zones After Solaris Live Upgrade \(6619278\)](#)” on page 40

These bugs will also affect the Live Upgrade of systems that are configured with Solaris Trusted Extensions. The workarounds are also the same.

- **Name Service**– If your system was configured at install time to use a name service that is different from the name service being used during upgrade, then the global zone may use the correct name service after boot.

For example, if you specified NIS as the name service to use during system install, but the system was later converted to be an LDAP client, the `luactivate boot` can revert to using NIS as the name service for the global zone. This is due to CR 6569407.

The workaround is to adjust the `name_service.xml` symbolic link in the `/var/svc/profile` directory to point to the correct xml file corresponding to the name service currently in use. For example, if NIS was specified as the name service during install, then `name_service.xml` will be a symbolic link to `ns_nis.xml`. If the system was subsequently converted to being an LDAP client, and LDAP was the name service in use during Live Upgrade, then run the following command:

```
# ln -fs ns_ldap.xml name_service.xml
```

This should be done before starting Live Upgrade or before running the `lucreate` command. However, if you did not run this command before `lucreate`, then perform the following steps after running the `luactivate` command:

1. `lumount` the new boot environment:

```
# lumount <BE_name>
```

2. Change to the `/var/svc/profile` directory of the boot environment:

```
# cd /.alt.<BE_name>/var/svc/profile
```

3. Link the `name_service.xml` link as appropriate. For example:

```
# ln -fs ns_ldap.xml name_sevice.xml
```

4. `luumount` the boot environment:

```
# luumount <BE_name>
```

Note – If the system is booted without performing the steps mentioned above, you will need to manually start the appropriate name service-related SMF client services.

Patching Miniroot on x86 Machines

The procedures for using `patchadd` with the `-C` destination specifier to patch a miniroot on an x86 machine have changed. You must now unpack the miniroot, apply patches, then repack the miniroot.

See the following for the detailed steps:

- Chapter 5, “Installing From the Network With DVD Media (Tasks),” in *Solaris 10 5/08 Installation Guide: Network-Based Installations*
- Chapter 6, “Installing From the Network With CD Media (Tasks),” in *Solaris 10 5/08 Installation Guide: Network-Based Installations*

Solaris Data Encryption Supplement on Solaris 10 Updates

Starting with the Solaris 10 8/07 release, the Solaris Data Encryption Supplement packages are included by default with the Solaris 10 OS software. You no longer need to install and download these packages.

Additional Procedures Required When Installing Patches for Solaris 10 5/08 Release

The following patches are applied to resolve problems that were reported in CR 6277164 and CR 6214222:

- Patch ID 119366-05 for SPARC based systems
- Patch ID 119367-05 for x86 based systems

The sections that follow provide further steps that you must perform to completely resolve the reported problems.

x86: Systems With `elx` or `pcelx` NICs Fail Network Configuration

Systems with an `elx` or a `pcelx` network interface card (NIC) fail to install. During the configuration of the NIC, the following error message might be displayed:

```
WARNING: elx: transmit or jabber underrun: d0<UNDER, INTR, CPLT>
```

See the `elxl(7D)` or `pcelx(7D)` man page for more information.

Workaround: Install and run on systems that do not have `elx` or `pcelx` NICs.

Default Size of `/var` File System Inadequate

The default size of the `/var` file system might be insufficient if the `/var` file system is located on a separate slice.

You must manually specify a larger slice size for the `/var` file system.

Note – If the `/var` file system is not on a separate slice or partition, this problem does not occur.

Workaround: Choose one of the following workarounds.

- If you are using the Solaris installation program GUI, follow these steps.
 1. Begin the installation.
 2. From Select Type of Install, select Custom Install.

The Solaris installation program displays several screens that enable you to customize the software localizations, products, and disk layout that you want to install.
 3. From Lay Out File Systems, select Modify.

The disk layout screen is displayed.
 4. Type `/var` in the File System column for a specific slice, then click Apply.

The installation program suggests a default size for the `/var` file system.
 5. Edit the Size column entry for the `/var` file system to twice the disk space size.

For example, if the installation program assigns 40 Mbytes of space, change the Size value to 80.
 6. Complete the installation.
- If you are using the Solaris installation program's text installer, follow these steps.
 1. Begin the installation.
 2. From Select Type of Install, select Custom Install.

The Solaris installation program displays several screens that enable you to customize the software localizations, products, and disk layout that you want to install.
 3. From Lay Out File Systems, select Auto Layout.

The disk layout screen is displayed.
 4. Type `/var` in the File System column for a specific slice.

The installation program suggests a default size for the `/var` file system.
 5. Press `F4_Customize` to customize the size of the `/var` file system.

6. Edit the Size column entry for the /var file system to twice the disk space size.

For example, if the installation program assigns 40 Mbytes of space, change the Size value to 80.

7. Complete the installation.

- If you are using the custom JumpStart program, use the `filesys` profile keyword to set the size of the /var file system. The following example sets the size of the /var file system on slice 5 to 256 Mbytes.

```
filesys c0t0d0s5 256 /var
```

x86: Do Not Upgrade Hewlett-Packard (HP) Vectra XU Series Systems With BIOS Version GG.06.13

The Solaris 10 software includes a feature that enables you to install large partitions. The system BIOS must support logical block addressing (LBA). BIOS Version GG.06.13 does not support LBA access. The Solaris boot programs cannot manage this conflict. This issue can also affect other HP Vectra systems.

If you perform this upgrade, your HP system can no longer boot. Only a blank black screen with a flashing underscore cursor is displayed.

Workaround: Do not upgrade HP Vectra XU Series systems with the latest BIOS Version GG.06.13 to the Solaris 10 release. This version no longer supports these systems.

You can still boot your system by using the boot diskette or boot CD because the boot paths do not use the hard disk code. Then select the hard disk as your bootable device instead of the network or CD-ROM drive.

SPARC: Older Firmware Might Need Boot Flash PROM Update

On SPARC based systems, Solaris 10 OS runs in 64-bit mode only. Some Sun4U™ systems might need to be updated to a higher level of OpenBoot™ firmware in the flash PROM to run the OS in 64-bit mode. The following systems might require a flash PROM update:

- Ultra™ 2
- Ultra 450 and Sun Enterprise™ 450
- Sun Enterprise 3000, 4000, 5000, and 6000 systems

The following table lists the UltraSPARC systems and the minimum firmware versions that are required to run the 64-bit Solaris 10 OS. *System type* is the equivalent of the output of the `uname -i` command. You can determine which firmware version you are running by using the `prtconf -V` command.

TABLE 1-1 Minimum Firmware Versions Required to Run 64-Bit Solaris Software on UltraSPARC Systems

System Type From <code>uname -i</code>	Minimum Firmware Version From <code>prtconf -V</code>
SUNW,Ultra-2	3.11.2
SUNW,Ultra-4	3.7.107
SUNW,Ultra-Enterprise	3.2.16

Note – If a system is not listed in the previous table, the system does not need a flash PROM update.

See any edition of the Solaris 8 Sun Hardware Platform Guide at <http://docs.sun.com> for instructions to perform a flash PROM update.

Additional Patches Are Needed to Run Solaris Live Upgrade

For Solaris Live Upgrade to operate correctly, a limited set of patch revisions must be installed for a given OS version. Make sure you have the most recently updated patch list by consulting <http://sunsolve.sun.com>. For additional information, search for InfoDoc 206844 on the SunSolve web site.

Solaris Management Console 2.1 Software Is Not Compatible With Solaris Management Console 1.0, 1.0.1, or 1.0.2 Software

Solaris Management Console 2.1 software is not compatible with Solaris Management Console 1.0, 1.0.1, or 1.0.2 software. If you are upgrading to the Solaris 10 release, and you have Solaris Management Console 1.0, 1.0.1, or 1.0.2 software installed, you must first uninstall the Solaris Management Console software before you upgrade. Solaris Management Console software might exist on your system if you installed the SEAS 2.0 overbox, the SEAS 3.0 overbox, or the Solaris 8 Admin Pack.

Workaround: Choose one of the following workarounds:

- Before you upgrade, use the `/usr/bin/prodreg` command to perform a full uninstall of Solaris Management Console software.

- If you did not uninstall Solaris Management Console 1.0, 1.0.1, or 1.0.2 software before you upgraded to the Solaris 10 release, you must first remove all Solaris Management Console 1.0, 1.0.1, or 1.0.2 packages. Use the `pkgrm` command for package removal instead of the `prodreg` command. Carefully follow the order of package removal. Complete the following steps:

1. Become superuser.
2. Type the following command:

```
# pkginfo | grep "Solaris Management Console"
```

If the description does not start with "Solaris Management Console 2.1," the package names in the output identify a Solaris Management Console 1.0 package.

3. Use the `pkgrm` command to remove all instances of Solaris Management Console 1.0 packages in the following order:

Note – Do not remove any package that has "Solaris Management Console 2.1" in its description. For example, `SUNWmc.2` might indicate Solaris Management Console 2.1 software.

If the `pkginfo` output displays multiple versions of Solaris Management Console 1.0 packages, use the `pkgrm` command to remove both packages. Remove the original package. Then, remove the package that has been appended with a number. For example, if the `SUNWmcman` and `SUNWmcman.2` packages appear in the `pkginfo` output, first remove the `SUNWmcman` package and then remove the `SUNWmcman.2` package. Do not use the `prodreg` command.

```
# pkgrm SUNWmcman
# pkgrm SUNWmcapp
# pkgrm SUNWmcsvr# pkgrm SUNWmcsvu
# pkgrm SUNWmc
# pkgrm SUNWmcc
# pkgrm SUNWmcsws
```

4. In a terminal window, type the following command:

```
# rm -rf /var/sadm/pkg/SUNWmcapp
```

The Solaris Management Console 2.1 software should now function properly. For future maintenance, or if the Solaris Management Console 2.1 software does not function properly, remove the Solaris Management Console 2.1 software. Reinstall the software by completing the following steps:

1. Use the `pkgrm` command to remove all Solaris Management Console 2.1 packages and dependent packages in the following order:

Note – If your installation has multiple instances of Solaris Management Console 2.1 packages, such as SUNWmc and SUNWmc.2, first remove SUNWmc, and then SUNWmc.2. Do not use the prodreg command.

```
# pkgrm SUNWpmgr
# pkgrm SUNWrmui
# pkgrm SUNWlvmg
# pkgrm SUNWlvma
# pkgrm SUNWlvmr
# pkgrm SUNWdcInt
# pkgrm SUNWmga
# pkgrm SUNWmgapp
# pkgrm SUNWmcdev
# pkgrm SUNWmcex
# pkgrm SUNWwbmc
# pkgrm SUNWmc
# pkgrm SUNWmcc
# pkgrm SUNWmccom
```

2. Insert the Solaris 10 Software - 4 CD into your CD-ROM drive. Type the following in a terminal window:

```
#
# cd /cdrom/cdrom0/Solaris_10/Product
# pkgadd -d . SUNWmccom SUNWmcc SUNWmc SUNWwbmc SUNWmcex SUNWmcdev \
SUNWmgapp SUNWmga SUNWdcInt SUNWlvmr SUNWlvma SUNWlvmg SUNWpmgr \
SUNWrmui
```

All previous Solaris Management Console versions are removed. The Solaris Management Console 2.1 software is now functional.

x86: Failure of BIOS Device Utility Prevents Installation or Upgrade From Being Completed (6362108)

On certain occasions, the utility for BIOS devices (/sbin/biosdev) might fail and prevent a successful installation or upgrade. The failure can occur under either of the following circumstances:

- Patch ID 117435-02 was applied, but the system was not rebooted.
- The system contains two or more identical disks that have identical fdisk partitions.

The following error message is displayed:

biosdev: Could not match any!!

Workaround: Make sure that you reboot the system after applying Patch ID 117435-02. Ensure that identical disks to be used in the installation or upgrade are configured with different fdisk-partition layouts.

The following example is based on a system that has two disks with identical fdisk-partition layouts. To change the layouts, perform the following steps.

1. Become superuser.
2. Start the disk maintenance utility.

```
# format
```

A list of available disks in the system is displayed.

3. To select the disk whose fdisk partition you want to change, type the disk's number.
4. From the list of Format options, select fdisk.

The disk's partition information and a list of fdisk options are displayed.

5. To change the disk's layout, choose one of the following:
 - To specify a different active partition, press 2.
 - To add another disk partition, press 1.
 - To delete an unused partition, press 3.
6. To save your changes and exit the fdisk menu, press 5.
7. To exit the disk maintenance utility, select Quit from the Format options.
8. Reboot the system.
9. After the system reboots, verify that the error message no longer appears. As superuser, type the following command:

```
# /sbin/biosdev
```

If the error message is still generated, repeat the procedure but select a different option in Step 5.

10. If the system contains other identical disks with identical fdisk-partition layouts, repeat Steps 1-9 on these disks. Otherwise, you can proceed with your Solaris installation or upgrade.

Cannot Create a Solaris Flash Archive When Solaris Zones Are Installed (6246943)

Starting with the current Solaris release, a Solaris Flash archive cannot be properly created when a non-global zone is installed. The Solaris Flash feature is not currently compatible with the Solaris containers (zones) feature.

Do not use the `flar create` command to create a Solaris Flash archive in these instances:

- In any non-global zone
- In the global zone if there are any non-global zones installed

If you create a Solaris Flash archive in such an instance, the resulting archive might not install properly when the archive is deployed.

Workaround: None.

x86: Sun Java Workstations 2100Z Might Panic When Booting From Solaris 10 Operating System DVD (6214356)

The DVD combo-drive firmware in a Sun Java Workstation 2100Z might cause a system panic. The panic occurs when you boot the workstation from the Solaris 10 Operating System DVD. After the kernel banner is displayed, the following message is very quickly flashed:

```
panic[cpu0]/thread=fec1be20: mod_hold_stub:
Couldn't load stub module sched/TS_DTBL
fec25cb0 genunix:mod_hold_stub+139 (fec04088, 63, fea11)
fec25cc4 unix:stubs_common_code+9 (1, 8, fec026e4)
fec25ce4 unix:disp_add+3d (fec026dc)
fec25d00 genunix:mod_installsched+a4 (fef01530, fef01518)
fec25d20 genunix:mod_install+2f (fef01518, fec25d3c,)
fec25d2c TS:_init+d (0, d6d89c88, fec25d)
fec25d3c genunix:modinstall+d9 (d6d89c88)
fec25d50 genunix:mod_hold_installed_mod+2e (d6d77640, 1, fec25d)
fec25d7c genunix:modload+ac (fec026c4, fec26c4)
fec25d98 genunix:scheduler_load+3d (fec026c4, fec026dc)
fec25db4 genunix:getcid+50 (fec026c4, fec28514)
fec25dcc unix:dispinit+df (fec25ddc, fe814ba9)
fec25dd4 unix:startup_modules+d5 (fec25dec, fe8cac37)
fec25ddc unix:startup+19 (fe800000, 166130, 7)
fec25dec genunix:main+16 ()
```

Then the system automatically resets.

Workaround: Choose one of the following options:

Workaround 1: Modify some BIOS configuration settings. This temporary workaround enables a Solaris 10 installation to be completed. However, this method might cause poor read-DVD performance. Follow these steps:

1. During system boot, press F2 at the prompt to enter the setup.

The screen displays attachment-type options similar to the following example:

Primary Master []
 Primary Slave []
 Secondary Master [CD-ROM]
 Secondary Slave []

2. Choose the DVD drive's attachment type by selecting the attachment type for CD-ROM.

Note – The screen might display more than one attachment type for CD-ROM, for example, if your system has multiple optical drives. In such cases, you might need to open the system case to determine the DVD drive's point of attachment. Make sure that you select the correct attachment type that applies to the DVD drive.

3. After selecting the correct CD-ROM attachment type, press Enter.
 The next screen appears with Type: [Auto] automatically selected.
4. Press the spacebar twice to change the selection to Type: [CD-ROM].
5. Use the arrow keys to select Transfer Mode.
6. Press Enter to display a list of other Transfer Mode options.
7. Use the arrow keys to select Standard, then press Enter to accept your selection.
8. Press F10 to save the configuration changes and exit BIOS setup.

The system restarts.

Workaround 2: Update the DVD combo drive's firmware to v1.12. This option requires your DVD combo drive to be attached to a system that is running Microsoft Windows. Follow these steps.

1. Remove your DVD combo drive from the Sun Java Workstation 2100z. See the workstation's user's guide for steps to remove the drive properly.
2. Connect the drive to a system that is running Microsoft Windows. Make sure to change the drive's master and slave jumper settings, if needed.
3. Go to AOpen's download center at <http://download.aopen.com.tw/default.aspx>.
4. Search for your DVD drive's firmware by using the following information:
 - Product: Combo drives
 - Model: COM5232/AAH
 - Categories: Firmware
5. Download and install the firmware version R1.12.
6. Reinstall the drive on the workstation. If needed, restore the original master and slave jumper settings.

Note – Newer versions of the firmware might already be available at the site. Sun's tests confirm that the v1.12 release resolves the panic issue. Sun cannot confirm whether newer firmware revisions after v1.12 similarly resolve the problem.

x86: Serial Consoles of Some Sun Fire Systems Do Not Work (6208412)

The serial console (ttya) on the following Sun Fire systems does not work by default:

- Sun Fire V20z
- Sun Fire V40z
- Sun Fire V60x
- Sun Fire V65x

To use the serial console, you must manually configure the system's BIOS.

Workaround: This workaround requires your system to have a Sun keyboard and a display monitor. Follow these steps:

1. Boot the machine.
2. During system boot, press F2 at the prompt to access the Phoenix BIOS.
3. Under Peripherals, change the comm port from disabled to enabled.
4. Save the configuration and boot the system.
5. Use the eeprom command to change input-device and output-device to ttya.

Note – Pressing the Stop and N keys at system boot to reset the low-level firmware to default settings does not work on these systems.

Solaris Installation GUI Program Might Fail on Systems With Existing x86 fdisk Boot Partitions (6186606)

The Solaris installation GUI program might fail on a system with an existing x86 boot partition. The failure occurs if the existing x86 boot partition was created with the Solaris text-based installer. The following error message is displayed.

```
Default layout will not work on this system.  
Error:  
Error: ERROR: Could not create explicit fdisk partition on c0t0d0,  
requested cylinders 14581 - 14597 in use by fdisk partition 1  
Error:  
Error: ERROR: System installation failed
```

```
Pfinstall failed. Exit stat= java.lang.UNIXProcess@a89ce3 2
artition on c0t0d0, requested cylinders 14581 - 14597 in use by fdisk
partition 1 ERROR: System installation failed
```

Workaround: Choose one of the following workarounds.

Workaround 1: When the installation program prompts you to select an installation type, select 3 Solaris Interactive Text (Desktop Session).

Workaround 2: If you use the Solaris installation GUI program, follow these steps.

1. Begin the installation.
2. At the prompt to select an installation type, select Custom Install.
The custom installation panels prompt you for information about the locales, software, and disks that you want to install.
3. Answer the questions on the screens as appropriate for your system.
4. On the Fdisk Selection screen, check the disk that contains the x86boot partition.
5. Remove the x86boot partition by changing it to UNUSED in the pull-down menu.
6. Add the x86boot partition back by changing UNUSED back to x86boot.
7. Continue the installation.

Installation Bugs

The following bugs might occur during or after the installation of Solaris 10 OS.

Some Asian Locales Cannot Be Used for Custom JumpStart (6681454)

Some Asian locales like, th_TH.ISO8859-11, th_TH.TIS620, ko_KR.EUC, ko_KR.UTF-8, zh_TW.EUC, zh_CN.EUC, zh_CN.GBK, and zh_CN.UTF-8 cannot be used while installing with Custom JumpStart. While setting locales in the `sysidcfg` file using the `system_locale` keyword, the following error message is displayed:

```
xx_xx.xxxxx is not a valid system locale
```

The JumpStart installation is stopped and Interactive installation starts.

Workaround: Use shorter locale names such as th_TH, ko, ko.UTF-8, zh_TW, zh, zh.GBK, and zh.UTF-8, instead of longer locale names,

SPARC: Solaris 8 Migration Assistant Patch Requirements (6673751)

Upgrading to the Solaris 10 5/08 release when running the co-packaged Solaris 8 Migration Assistant software fails. No error message is displayed. The system panics when a Solaris 8 branded zone is booted.

Workaround: Install the Solaris 8 Migration Assistant patch #128548-02 or later. This patch is recommended for all kernels. The patch #128548-02 or later should also be installed before installing Solaris 10 8/07 release Kernel patch 127111-05 or later. Revision #128548-04 or later is required for UltraSparc® IV based systems running Solaris 8 Migration Assistant. The most recent revision of patch #128548 is recommended in all cases.

- Commands
- Solaris 10 8/07 release Kernel patch 127111-05 or later

PRODRM Has Problems Deleting prodreg Entry For Solaris Trusted Extensions (6616592)

While upgrading Solaris Trusted Extensions from the Solaris 10 11/06 or Solaris 10 8/07 release to the current Solaris 10 5/08 release, the prodreg entry for Solaris Trusted extensions is not removed. No error message is displayed.

Workaround: After upgrading Solaris Trusted Extensions to the current release, remove the prodreg entry manually as follows:

```
# prodreg unregister -f -r -u "Solaris Trusted Extensions" -i 1
```

Reboot Now Button Is Unresponsive (6270371)

After you install the Solaris OS, the Reboot Now button does not work.

Workaround: Perform the following steps:

1. Open a terminal window.
2. Type the following commands:

```
# touch /tmp/.instsuccess  
# pkill -9 java
```

The system now reboots and does not require CDs.

Sun Upgrade Detailed Patch Analysis Panel Not Scrollable (6597686)

During a Solaris upgrade, if you select Detailed Analysis to see the patches that will be removed, the panel that displays the patches is not scrollable. The complete list of patches to be removed cannot be viewed.

Workaround: Run the `analyze_patches` scripts manually:

```
# cd <cdrom>/Solaris_10/Misc
# ./analyze_patches -R rootdir -N netdir -D databasedir
```

The command options are as follows:

-R rootdir	rootdir is the root of the installed system. The default root directory is /.
-N netdir	netdir is the path to the root of the OS image to be installed. /cdrom/cdrom0 is the default path. netdir is the path to the directory that contains the Solaris_10_606 directory. You must use this option if you are running the patch_analyzer from an NFS mount point.
-D databasedir	If the script is called from a directory other than the /Misc directory in the OS image, the program cannot find the database it uses for patch analysis. Use the -D option to supply the path to the database. Without this database, which is located in the Solaris_10_606/Misc/database directory on the OS image, the script will not run correctly.

SPARC: luupgrade Fails When Using a CD to Upgrade (6573154)

On a SPARC system, when using a CD (CD1) to upgrade your system by using Live Upgrade, the `luupgrade` command fails. The following error message is displayed.

```
# luupgrade -u -n s10u4_ABE -s /cdrom/cdrom0/s0 -j /var/tmp/profile

179536 blocks
miniroot filesystem is <lofs>
Mounting miniroot at </cdrom/cdrom0/s0/Solaris_10/Tools/Boot>
mount: /tmp/miniroot.3694: Device busy
ERROR: Cannot mount miniroot at </cdrom/cdrom0/s0/Solaris_10/Tools/Boot>.
```

Workaround: Choose one of the following workarounds.

- **Workaround 1:** Use the DVD physical media to do `luupgrade`.

- **Workaround 2:** If the system does not have a DVD drive, then use `setup_install_server` from CD1 to create an image locally for the upgrade to use. Run the following commands:

```
# cd /cdrom/cdrom0/s0/Solaris_10/Tools
# ./setup_install_server <local_location>
# luupgrade -u -n s10u4_ABE -s <local_location>
```

Panic in PCIe as dev_info Node Has No Parent Data (6517798)

The Solaris OS might panic with a null pointer dereference if the `driver.conf` file has been modified using the parent attribute. The following error message is displayed:

```
System panic: BAD TRAP: type=31 rp=2a101d31200 addr=8 mmu_fsr=0
occurred in module "pcie" due to a NULL pointer dereference
```

Workaround: Before you install the Solaris 10 8/07 or Solaris 10 5/08 OS on a PCI Express (PCIe) based SPARC system, check if you have modified the `driver.conf` files as described below:

1. Change to the `/kernel/drv` directory.
2. Check if the parent attribute is set in the `driver.conf` file. If the parent attribute has been set and the last node in the parent has the word `pci` in it, comment out that line. Ensure that you comment out the entire property. For example:

```
# name="ACME,simple" parent="/pci@7c0/pci@0/pci@9"
# unit-address="3,1" debug-mode=12;
name="ACME,example" parent="pseudo" instance=1;
name="ACME,scsi" parent="/pci@7c0/pci@0/pci@9/scsi"
unit-address="3,1" debug-mode=12;
```

3. Repeat step 2 for the `driver.conf` files in the following directories:
 - `/usr/kernel/drv`
 - `/platform/'uname -i'/drv`
 - `/platform/'uname -m'/drv`
4. Install the Solaris 10 8/07 or Solaris 10 5/08 OS.
5. Install patch 127747-01.
6. Change to the directories listed in steps 1 and 3. Uncomment all the lines that were commented out in step 2 in the `driver.conf` files.

The Linux Partition Does Not Display on the GRUB Menu After Installing the Solaris OS (6508647)

If Linux is installed on your disk and you installed the Solaris OS on a separate partition, the Linux partition does not display on the GRUB menu. No error message is displayed.

Workaround: Edit the GRUB menu's `menu.lst` file to add Linux to the GRUB menu. Perform the following steps:

1. Boot the Solaris OS.
2. Edit the `menu.lst` file at `/boot/grub/menu.lst`. For more information, see the *System Administration Guide: Basic Administration*.

x86: Install Hangs on Systems With 512 Mbyte of Memory (6423854)

Installations can run out of memory and hang on 512-Mbyte systems under the following conditions:

- You install using a network installation image of the OS.
- The Solaris installation program is in a windowing environment:
 - The graphical user interface (GUI).
 - The `-text` option or “3. Solaris Interactive Text (Desktop session)” in the menu below.

When the system exhausts available memory, the GUI installation process slows and eventually fails. The text does not display in a windowing environment.

Workaround:

To avoid this problem, select a non-windowing environment during the initial installation startup. During startup from the installation media the following menu is displayed:

```
-----
1.      Solaris Interactive (default)
2.      Custom JumpStart
3.      Solaris Interactive Text (Desktop session)
4.      Solaris Interactive Text (Console session)
5.      Apply driver updates
6.      Single user shell
Enter the number of your choice.
-----
```

At this point, choose “4. Solaris Interactive Text (Console session)”. This non-windowing environment will initiate a text-only installation, without using memory-intense processes.

x86: Invalid /sbin/dhccpinfo Error During Installation (6332044)

If you install the Solaris 10 8/07 or Solaris 10 5/08 OS on an x86 based system, the following error message is displayed.

```
/sbin/dhccpinfo: primary interface requested but no primary interface is set
```

The error does not affect the installation, and the installation succeeds.

Workaround: Ignore the error message.

x86: Installation From CD Media Appears to Hang After Reboot Selection (6270371)

A problem might occur when you are using the Solaris installation program and are using CD media. After the installation of the Solaris software from the Solaris 10 5/08 Software CD - 4, the following prompt is displayed:

```
Press Reboot now to continue.
```

If you press Reboot, the system might not respond. The installation is successful. However, the error prevents the installation program from exiting normally. Consequently, the typical postinstallation cleanup and system reboot cannot occur.

An error message similar to the following example is logged in `/tmp/disk0_install.log` file:

```
Exception in thread "Thread-70" java.lang.IndexOutOfBoundsException:
Index: 6, Size: 5
    at java.util.ArrayList.add(ArrayList.java:369)
    at
com.sun.wizards.core.WizardTreeManager.
actualExitButtonPressed(WizardTreeManager.java:1499)
    at
com.sun.wizards.core.WizardTreeManager.
exitButtonPressed(WizardTreeManager.java:1486)
    at
com.sun.wizards.core.AutonextController.
run(AutonextController.java:736)
```

```
at
java.lang.Thread.run(Thread.java:595)
```

Workaround: Choose one of the following workarounds.

- **Workaround 1:** Follow these steps.
 1. Shut down the system, then turn on the power again.
 2. After the system starts up, insert the appropriate CD at the prompt. Although the CD is inserted, no additional software is installed on the system. In a moment, the system reboots normally.
- **Workaround 2:** Follow these steps.
 1. Open a terminal window.
 2. Log in as superuser.
 3. Create or modify access to the `.instsuccess` file.

```
# touch /tmp/.instsuccess
```

4. Stop the Java process.

```
# kill -9 java
```

The system reboots without prompting for the CD media.

x86: System Fails to Boot After Custom JumpStart Installation (6205478)

If you use the Custom JumpStart installation method to install on an x86 based system, and explicitly configure slice 2 as the overlap slice in the profile, an error occurs. The system does not reboot successfully after the installation is completed. The following error message is displayed:

```
Cannot find Solaris partition
```

This failure occurs because the overlap slice 2 (c0t0d0s2, for example) is set to begin at cylinder 1 rather than cylinder 0.

Workaround: In the Custom JumpStart profile, remove the `filesys` keyword entry that configures slice 2 as the overlap slice. For example, you would remove a keyword entry that is similar to the following entry.

```
filesys c0t0d0s2 all overlap
```

After you remove the entry, perform the Custom JumpStart installation.

x86: GUI Interactive Installation From DVD Fails if boot-device Variable Is Not Set (5065465)

If you install Solaris from the Solaris 10 Operating System DVD, the interactive GUI installation might fail. This failure occurs if the `boot-device` configuration variable is not set on the system.

To determine if the `boot-device` configuration variable is set, type the following command.

```
# prtconf -pv | grep boot-device
```

If the output of this command is `boot-device:` with no associated device, you cannot use the interactive GUI installation program to install from the Solaris 10 Operating System DVD.

Workaround: Use the interactive text installer to install Solaris 10 software. When the installation program asks you to select a type of installation, select option 3, Solaris Interactive Text (Desktop Session).

For more information about installing from the Solaris 10 Operating System DVD, see *Solaris 10 5/08 Installation Guide: Basic Installations*.

x86: USB Keyboards Might Freeze During Install on Some Dell Precision Workstations (4888849)

During installation, USB keyboards on some Dell Precision Workstations might freeze or become partially inoperative, thereby preventing installation.

Workaround: Perform one of the following workarounds:

- Switch the USB emulation mode in the firmware.
- Switch to a PS/2 keyboard.
- Reboot and try again.

Alternatively, update the system's BIOS to resolve the problem.

Warnings Might Occur When a File System Is Created (4189127)

When a file system is created during installation, one of the following warning messages might be displayed:

```
Warning: inode blocks/cyl group (87) >= data blocks (63) in last  
cylinder group. This implies 1008 sector(s) cannot be allocated.
```

Or:

Warning: 1 sector(s) in last cylinder unallocated

The warning occurs when the size of the file system that you created does not equal the space on the disk that is being used. This discrepancy can result in unused space on the disk that is not incorporated into the indicated file system. This unused space is not available for use by other file systems.

Workaround: Ignore the warning message.

Upgrade Issues and Bugs

Note – For the latest information about upgrade support beginning with the Solaris 10 5/08 release, see [“Changes in Upgrade Support for Solaris Releases” on page 17](#).

This section describes upgrade bugs. Some might occur while you are upgrading to Solaris 10 OS. Others might occur after you have completed upgrading.

lucreate and lumake Commands Fail on Non-Global Zones (6659451)

When the `lucreate` and `lumake` commands are used on non-global zones which are not in the running state, the commands might not execute successfully. The contents of the original non-global zone and the copy might differ. Users might be unable to log in to the zone's console using the `zlogin` command. The following error message is displayed while using the `zlogin` command:

```
zlogin: makeutx failed
```

The diagnostic output of the `lucreate` and `lumake` commands do not display any errors.

Workaround: Ensure that all non-global zones are in the running state before using the `lucreate` and `lumake` commands.

SPARC: Upgrading with Solaris Live Upgrade From Solaris 8 and Solaris 9 Releases Fails (6638175)

Upgrading to the Solaris 10 5/08 release using Solaris Live Upgrade, from the previous Solaris 8 and Solaris 9 releases fails. The install images compression file is now unzipped by using the 7za utility. The SUNWp7zip package is not included in the Solaris 8 and 9 releases. As a result, Solaris Live Upgrade fails.

Workaround: Choose one of the following workarounds:

- **Workaround 1:** To upgrade your current Solaris 9 OS to the Solaris 10 5/08 release using Solaris Live Upgrade, apply the following patches:
 - For SPARC systems– 137477-01 or later
 - For x86 systems– 137478-01 or later
- **Workaround 2:** To upgrade your current Solaris 10 OS to the Solaris 10 5/08 release by using Solaris Live Upgrade, apply the following patches:
 - For SPARC systems– 137321-01 or later
 - For x86 systems– 137322-01 or later

Note – Solaris Live Upgrade from the Solaris 8 release to the Solaris 10 5/08 release is not supported. Instead, use the standard upgrade procedure or perform a Solaris Live Upgrade from the Solaris 8 OS to the Solaris 9 or Solaris 10 OS. Then you can perform a Solaris Live Upgrade from the Solaris 9 or Solaris 10 release to the Solaris 10 5/08 release.

Incorrect Permissions on /tmp in Non-Global Zones After Solaris Live Upgrade (6619278)

Various processes running in non-global zones using /tmp might crash after the zone has been upgraded using Solaris Live Upgrade. The upgrade process changes permissions on the /tmp directory which leads to applications failures. Users will see drwxr-xr-x permissions instead of the correct drwxrwxrwx permissions.

Workaround: Choose one of the following workarounds:

- **Workaround 1:** Before activating the new boot environment, perform the following steps:
 1. Mount the disk:


```
# mount /dev/dsk/c1t1d0s6 /mnt
```
 2. Fix the permissions:

```
# chmod 1777 /mnt/zone/*/root/tmp
```

3. Then unmount the disk:

```
# umount /mnt
```

This workaround fixes all zones at once.

- **Workaround 2:** If you have already booted the new boot environment, log in to the system as the root user. Halt the zone and manually set correct permissions on the /tmp directory. Type the following command:

```
# chmod 1777 /path/root/tmp
```

where path is the zone's zonepath.

Issues With DSR Upgrade With Zones (6616788)

Disk space reallocation (DSR) upgrade with zones fails if zones are installed in the /opt directory. Upgrade might fail during the restoration of the DSR archive. In some cases, the upgrade might be successful, but the system cannot be rebooted.

Workaround: Ensure that the root file system is not 100% full before upgrade. Remove some files before upgrade so that the root slice is less than 90% full.

Solaris Trusted Extensions Upgrade Issues (6616585)

When you upgrade Solaris Trusted Extensions from the Solaris 10 11/06 or Solaris 10 8/07 release to the current Solaris 10 5/08 release, unwanted localized Solaris Trusted Extensions packages are installed on your system. This bug occurs because the Solaris Trusted Extensions installer in the Solaris 10 11/06 or Solaris 10 8/07 releases installs localized packages by default. No error message is displayed.

Workaround: Before upgrading Solaris Trusted Extensions to the current release, remove the following localized Solaris Trusted Extensions packages:

SUNWjdtts	SUNWkdts
SUNWjmgts	SUNWkmgts
SUNWjtsman	SUNWktsu
SUNWjtsu	SUNWodts
SUNWtgnome-l10n-doc-ja	SUNWtgnome-l10n-ui-ko

SUNWtgnome-l10n-ui-it	SUNWtgnome-l10n-ui-zhHK
SUNWtgnome-l10n-ui-sv	SUNWtgnome-l10n-ui-es
SUNWtgnome-l10n-doc-ko	SUNWtgnome-l10n-ui-ptBR
SUNWtgnome-l10n-ui-ja	SUNWtgnome-l10n-ui-zhTW
SUNWtgnome-l10n-ui-zhCN	SUNWtgnome-l10n-ui-fr
SUNWtgnome-l10n-ui-de	SUNWtgnome-l10n-ui-ru

System Cannot Communicate With ypbind After Upgrade (6488549)

This bug occurs during an upgrade from Solaris 10 Hardware 2 release to the current Solaris 10 5/08 release.

In the Solaris 10 Hardware 2 release, the `name_service.xml` file for any name service, such as NIS, NIS+, FILES, or LDAP is as follows:

```
# ls -l name_service.xml
lrwxrwxrwx  1 root    root      10 Apr 10 16:26 name_service.xml -> ns_files.xml
```

If the name service is NIS, the `name_service.xml` file links to `ns_files.xml`. However, the contents of the `ns_files.xml` are the same as `ns_nis.xml`.

```
# cat /etc/release
Solaris 10 3/05 HW2 s10s_hw2wos_05 SPARC
Copyright 2005 Sun Microsystems, Inc. All Rights Reserved.
Use is subject to license terms.
Assembled 26 September 2005

# cd /var/svc/profile
# ls -l name_service.xml ns_files.xml ns_nis.xml
lrwxrwxrwx  1 root    other    12 May 21 04:06 name_service.xml -> ns_files.xml
-r--r--r--  1 root    sys      779 May 21 04:25 ns_files.xml
-r--r--r--  1 root    sys      779 Jan 21 2005 ns_nis.xml
#
# diff ns_files.xml ns_nis.xml
# diff name_service.xml ns_nis.xml
```

In the above output, the `ns_nis.xml` and `ns_files.xml` files are the same. This means that the `name_service.xml` file symbolically links to the wrong name service file. The `name_service.xml` file links to `ns_files.xml`. Instead, the `name_service.xml` file should link to the `ns_nis.xml`.

Note – The fix for CR 6411084, the SUNWcsr install or postinstall script, creates the correct link only if `name_service.xml` is not a link file. If `name_service.xml` is already a symbolic link file, as in the Solaris 10 Hardware 2 release, the fix for CR 6411084 will not work.

After an upgrade from Solaris 10 Hardware 2 to the current Solaris 10 5/08 release, the following message is displayed on the console or logged in the messages file:

```
Oct 23 12:18:45 vt2000a automount[301]: [ID 366266 daemon.error]
can't read nis map auto_master: can't communicate with ypbind - retrying
```

Also, the `/network/nis/client:default` service is offline.

Workaround: Choose one of the following workarounds:

- **Workaround 1:** Before an upgrade, remove the `/var/svc/profile/name_service.xml` file.
- **Workaround 2:** After an upgrade, change the `/var/svc/profile/name_service.xml` link to the correct `ns_<xxx>.xml` file, based on the name service.

Upgrade Fails on System With Zones That Have Been Installed But Not Booted

A non-global zone that has been installed but never booted or made ready prevents a system from being upgraded correctly. No error message is displayed.

Workaround:

If such a zone is found, the zone should be made ready and then halted prior to starting the upgrade. For example:

```
global# zoneadm -z myzone ready ; zoneadm -z myzone halt
```

Upgrading a Solaris 10 System with Non-Global Zones to the Solaris 10 5/08 Release Might Cause the Local File System Service to Fail (6428258)

Upgrading a Solaris 10 3/05 system or a Solaris 10 1/06 system to the Solaris 10 6/06, Solaris 10 8/07, or the Solaris 10 5/08 release with non-global zones might cause the SMF service that mounts local file systems to fail in the non-global zones. As a result, other services in the non-global zones might fail to start.

After upgrading a Solaris 10 system with non-global zones to the Solaris 10 6/06, Solaris 10 8/07, or the Solaris 10 5/08 release, services might be in the maintenance state. For example:

```
# zlogin myzone svcs -x
svc:/system/filesystem/local:default (local file system mounts)
State: maintenance since Wed May 24 13:18:06 2006
Reason: Start method exited with $SMF_EXIT_ERR_FATAL.
See: http://sun.com/msg/SMF-8000-KS
See: /var/svc/log/system-filesystem-local:default.log
Impact: 18 dependent services are not running. (Use -v for list.)
```

Workaround:

Reboot the non-global zone from the global zone. For example:

```
global# zoneadm -z myzone reboot
```

Device ID Discrepancies After Upgrading From Solaris 9 9/04 OS

In this Solaris 10 release, Solaris Volume Manager displays device ID output in a new format. Solaris 9 9/04 OS, which introduced device ID support in disk sets, does not recognize the new format. When you upgrade to Solaris 10 OS from the Solaris 9 9/04 release, device IDs that are associated with existing disk sets are not updated in the Solaris Volume Manager configuration. If you need to revert to Solaris 9 9/04 OS, configuration changes made to disk sets after the upgrade might not be available to Solaris 9 9/04 OS. For more information, see Chapter 25, “Troubleshooting Solaris Volume Manager (Tasks),” in *Solaris Volume Manager Administration Guide*.

x86: Adding Driver Updates Might Cause Failure of Network Configuration (6353146)

Installation of the Solaris 10 OS might fail while you are adding Driver Updates (DU), which are also known as Install Time Updates (ITU). This error occurs if you are using the GUI to install the Solaris 10 software. The following message is displayed:

```
Unable to run cmd: /usr/sbin/sysidput
```

Workaround: Use either of the following workarounds.

- **Workaround 1:** Configure the installation to use DHCP to gather network configuration information.
- **Workaround 2:** Use a text-based installation method.
 - If you are performing the text-based installation in a desktop session, follow these steps.
 1. After you have finished adding ITUs, type Ctrl-c instead of typing **e**.

2. Choose option 3.
- If you specify a serial console to use during the installation, follow these steps.
 1. After you have finished adding ITUs, type Ctrl-c instead of typing **e**.
 2. Choose option 4.

x86: Cannot Delete the Solaris Live Upgrade Boot Environment That Contains the GRand Unified Bootloader Menu (6341350)

When you use Solaris Live Upgrade to create boot environments, one of the boot environments in the system hosts the GRand Unified Bootloader (GRUB) menu. This boot environment cannot be removed with the `ldelete` command.

If you attempt to remove the boot environment, the following error message is displayed:

```
ERROR: The boot environment name-of-boot-environment contains the GRUB menu.  
ERROR: You are not allowed to delete this BE.  
Unable to delete boot environment.
```

Workaround: Use either the `lumake` command or the `luupgrade` command to reuse this boot environment. Make the boot environment that contains the GRUB menu the last boot environment to be deleted.

Note – Solaris Live Upgrade does not allow the last boot environment to be deleted. Nor can the boot environment that contains the GRUB menu be deleted. Therefore, if the last boot environment also contains the GRUB menu, then you can delete all other boot environments if needed.

Solaris Live Upgrade `luupgrade` Command Missing the Progress Bar (6239850)

The upgrade progress bar does not appear when you use the Solaris Live Upgrade software in the following manner:

- You use the Solaris 10 5/08 CD media to upgrade the OS.
- You upgrade a boot environment by using the `luupgrade` command with the following options:
 - `-i` to install from the CD media
 - `-0 "nodisplay -noconsole"` to run the installer on the second CD in text mode and without user interaction

- You are upgrading to the Solaris 10 5/08 software from the following releases:
 - Solaris 9 release
 - Solaris 10 release

For example, if you run the following command, the progress bar should be displayed after you see the following output:

```
Running installer on BE s10u1.
```

However, the bar fails to appear.

```
# luupgrade -i -n s10u1 -s /net/installsrv/export/s10u1  
-O "-nodisplay -noconsole"
```

```
Validating the contents of the media /net/installsrv/export/s10u1.  
The media is a standard Solaris media.  
The media contains a standard Solaris installer.  
The media contains Solaris 3 version 10.  
Mounting BE s10u1.  
Running installer on BE s10u1.
```

No error message is displayed.

Workaround: Use the `prstat` command. This command enables you to watch the progress while packages are being added during the installation.

SPARC: Upgrading From Solaris 9 Releases With Recommended Patch Cluster Partially Succeeds (6202868)

For a system that is running a Solaris 9 release with the recommended patch cluster installed, upgrading to Solaris 10 OS only partially succeeds. This problem affects systems that are running the following releases with the Solaris 9 recommended patch cluster installed.

- Solaris 9 release
- Solaris 9 9/02 release
- Solaris 9 12/02 release
- Solaris 9 4/03 release
- Solaris 9 8/03 release
- Solaris 9 12/03 release
- Solaris 9 4/04 release

When you upgrade to the Solaris 10 release, the `SUNWcti2x` package is not successfully removed from the system.

Workaround: Choose one of the following workarounds.

- To avoid this problem, apply patch ID 117426-03, or a later version, to the system before you upgrade to the Solaris 10 OS.

To download this patch, go to <http://sunsolve.sun.com>.

- If you encounter this problem during the upgrade, follow these steps.

1. In a text editor, comment out the following line in the `/var/sadm/pkg/SUNWcti2x/install/preremove` file.

```
rem_drv -b ${BASEDIR} sc_nct || EXIT=1
```

2. Remove the SUNWcti2x package.

```
# pkgrm SUNWcti2x
```

Obsolete Uninstallers Not Removed When You Use Solaris Live Upgrade to Upgrade From Previous Solaris Releases (6198380)

If you use Solaris Live Upgrade to upgrade from the Solaris 8 or Solaris 9 releases to Solaris 10 OS, obsolete uninstaller programs are not removed. These uninstaller programs from the previous OS remain in the system's `/var/sadm/prod` directory.

The following obsolete uninstallers are not removed.

```
uninstall_Alternate_Pathing_2_3_1.class
uninstall_CDRW_1_1.class o uninstall_CDRW_1_0.class
uninstall_Bonus_Localization_-_Catalan_CDE_Desktop.class
uninstall_Bonus_Localization_-_Polish_CDE_Desktop.class
uninstall_Bonus_Localizations_-_Russian_CDE_Desktop.class
uninstall_Capacity_on_Demand_1_0.class
uninstall_Java3D_1_3_1.class
uninstall_Java3D_1_3.class
uninstall_Java3D_1_2_1_04.class
uninstall_Java3D_1_2_1_03.class
uninstall_Lights_Out_Management_2_0.class
uninstall_Man_Page_Supplement.class
uninstall_OpenGL_1_3.class
uninstall_OpenGL_1_2_3.class
uninstall_Netra_ct_Platform_1_0.class
uninstall_Netra_t11xx_Alarms_2_0.class
uninstall_Netscape_6_2_3.class
uninstall_Netscape_6_2_1_Beta.class
uninstall_PC_launcher_1_0_2.class
```

```
uninstall_PC_launcher_1_0_1_PCfileviewer_1_0_1.class
uninstall_RSC_2_2_2.class
uninstall_RSC_2_2_1.class
uninstall_RSC_2_2.class
uninstall_ShowMeTV_1_3.class
uninstall_Solaris_9_French_Localization.class
uninstall_Solaris_9_German_Localization.class
uninstall_Solaris_9_Hong_Kong_Traditional_Chinese_Localization.class
uninstall_Solaris_9_Italian_Localization.class
uninstall_Solaris_9_Japanese_Localization.class
uninstall_Solaris_9_Korean_Localization.class
uninstall_Solaris_9_Simplified_Chinese_Localization.class
uninstall_Solaris_9_Spanish_Localization.class
uninstall_Solaris_9_Swedish_Localization.class
uninstall_Solaris_9_Traditional_Chinese_Localization.class
uninstall_Solaris_On_Sun_Hardware_Documentation.class
uninstall_Sun_Hardware_AnswerBook.class
uninstall_SunATM_5_0.class
uninstall_SunATM_5_1.class
uninstall_SunFDDI_PCI_3_0.class
uninstall_SunFDDI_SBus_7_0.class
uninstall_Sun_Fire_880_FC-AL_Backplane_Firmware_1_0.class
uninstall_Sun_Fire_B10n_Load_Balancing_Blade_1_1.class
uninstall_SunForum_3_1.class
uninstall_SunForum_3_2.class
uninstall_SunHSI_PCI_3_0.class
uninstall_SunHSI_SBus_3_0.class
uninstall_SunScreen_3_2.class
uninstall_SunVTS_5_1_PS6.class
uninstall_SunVTS_5_1_PS5.class
uninstall_SunVTS_5_1_PS4.class
uninstall_SunVTS_5_1_PS3.class
uninstall_SunVTS_5_1_PS2.class
uninstall_SunVTS_5_1_PS1.class
uninstall_SunVTS_5_0.class
uninstall_System_Management_Services_1_4.class
uninstall_System_Management_Services_1_3.class
uninstall_System_Management_Services_1_2.class
uninstall_System_Service_Processor_3_5.class
uninstall_WBEM_DR_1_0.class
uninstall_Web_Start_Wizards_SDK_3_0_2.class
uninstall_Web_Start_Wizards_SDK_3_0_1.class
uninstall_Web_Start_Wizards_SDK.class
uninstall_XML_Libraries_2_4_12.class
```

Workaround: After you upgrade the system, manually remove the obsolete uninstallers in the /var/sadm/prod directory.

Configuration File `pam.conf` Not Automatically Updated After an Upgrade (5060721)

This Solaris 10 release introduces changes in `pam_ldap` functionality. When you upgrade to the current release, `pam_ldap` configurations in your existing `pam.conf` configuration file are not updated to reflect these changes. If `pam_ldap` configuration is detected, the `CLEANUP` file that is generated at the end of the upgrade contains the following notification:

```
/etc/pam.conf please examine/update the pam_ldap configuration
because its functionality has changed,
refer to pam_ldap(5) documentation for more information
```

Workaround: After the upgrade, examine `/etc/pam.conf`. If necessary, modify this file manually to be compatible with the new functionalities of `pam_ldap`. The modifications involve password prompting such as the `use_first_pass` and `try_first_pass` options as well as password updates. For more information about updating `pam.conf`, refer to the `pam_ldap(5)` man page and documentation.

Installer Text Display Problem When Using Solaris Live Upgrade (4736488)

When using the Solaris Live Upgrade `luupgrade(1M)` command with the `-i` option to complete an upgrade of an inactive boot environment, the text that the installers display might be unreadable in some languages. The text is corrupted when the installers request fonts that do not exist on the older release that is on the current boot environment.

Workaround: Choose one of the following workarounds:

- Use a combined network installation image to do the installation.
- Enable the C locale by setting the environment variable on your system.
 - If you are using the Bourne shell or Korn shell, follow these steps:
 1. Set the C locale.

```
# LANG=C; export LANG
```

2. Begin the installation.

- If you are using the C shell, follow these steps:
 1. Type the following:

```
# csh
```

2. Set the C locale.

```
# setenv LANG C
```

3. Begin the installation.

SPARC: Removal of SUNWjxcft Package Records Error During Upgrade (4525236)

When you upgrade from the Solaris 8 software to the Solaris 10 release, a problem is encountered when the SUNWjxcft package is removed. The following error message is recorded in the `upgrade_log` file:

```
Removing package SUNWjxcft:
Can't open /a/usr/openwin/lib/locale/ja/X11/fonts/TTbitmaps/fonts.upr
Can't open /a/usr/openwin/lib/locale/ja/X11/fonts/TTbitmaps/fonts.scale
Can't open /a/usr/openwin/lib/locale/ja/X11/fonts/TTbitmaps/fonts.alias
Can't open /a/usr/openwin/lib/locale/ja/X11/fonts/TT/fonts.upr
Can't open /a/usr/openwin/lib/locale/ja/X11/fonts/TT/fonts.scale
Can't open /a/usr/openwin/lib/locale/ja/X11/fonts/TT/fonts.alias
Removal of <SUNWjxcft> was successful
```

Workaround: Ignore the error message.

Upgrading to Solaris 10 Release Might Disable Existing Secure Shell Daemon (sshd) (4626093)

If you upgrade to the Solaris 10 release on a system that is running a third-party Secure Shell, such as OpenSSH from the `/etc/init.d/sshd` daemon, the upgrade disables the existing Secure Shell daemon. During an upgrade, Solaris 10 software overwrites the contents of `/etc/init.d/sshd`.

Workaround: Choose one of the following workarounds:

- If you do not want the Secure Shell protocol server program on your system, do not install the `SUNWsshr` and `SUNWssdu` packages during the upgrade.
- If you do not want the Secure Shell protocol server or client programs on your system, do not install the Secure Shell Cluster (`SUNWcssh`) during the upgrade.

Upgrade Fails if /export Directory Is Near Capacity (4409601)

If the `/export` directory is near full capacity when you upgrade to the Solaris 10 release, space requirements for `/export` are miscalculated. The upgrade then fails. This problem commonly occurs if a diskless client is installed. Another instance of when the problem occurs is when third-party software is installed in the `/export` directory. The following message is displayed:

WARNING: Insufficient space for the upgrade.

Workaround: Before you upgrade, choose one of the following workarounds:

- Rename the /export directory temporarily, until the upgrade is completed.
- Temporarily comment out the /export line in the /etc/vfstab file until the upgrade is completed.
- If /export is a separate file system, then unmount /export before you perform the upgrade.

Upgrading Diskless Client Servers and Clients (4363078)

If your system currently supports diskless clients that were installed with the Solstice AdminSuite™ 2.3 Diskless Client tool, you must perform the following two steps:

1. Delete all existing diskless clients that are the same Solaris version and architecture as the server.
2. Install or upgrade to the Solaris 10 release.

For specific instructions, see the *System Administration Guide: Basic Administration*.

If you attempt to install the Solaris 10 software over existing diskless clients, the following error message might be displayed:

```
The Solaris Version (Solaris version-number) on slice  
<xxxxxxx> cannot  
be upgraded.
```

```
There is an unknown problem with the software configuration installed  
on this disk.
```

In this error message, *version-number* refers to the Solaris version that is currently running on your system. <xxxxxxx> refers to the slice that is running this version of the Solaris software.

Additional Installation Issues

This section describes issues that are related to the installation of the Solaris OS.

smosservice add Command Does Not Install Designated ARCH=all Packages (4871256)

The `smosservice add` command does not install any packages that are designated `ARCH=all` in the root (`/`) or `/usr` file systems. There is no error message indicating these packages were skipped. This problem exists in all Solaris OS versions, and applies to both SPARC® based and x86 based clients.

Note that the list of missing packages varies, depending on the Solaris release that you are running.

Workaround: Locate and install the missing `ARCH=all` packages.

For step-by-step instructions on locating and installing missing packages, see “How to Locate and Install Missing `ARCH=all` Packages” in *System Administration Guide: Basic Administration*.

StarOffice and StarSuite Software Cannot Coexist in the Same System

When you install Solaris 10 OS, either the StarOffice or the StarSuite™ software is also automatically installed, depending on which language you select. The languages and the corresponding software that these languages support are listed as follows:

Selected Language	Supported Software
Chinese, Japanese, Korean	StarSuite
Other languages	StarOffice

StarOffice and StarSuite cannot coexist in the same system. If you want to replace a software that you accidentally installed, follow these steps.

1. Insert the Solaris 10 Software - 4 CD or Solaris 10 Operating System DVD in the drive.
2. Become superuser.
3. Change to the Product directory, for example, `/cdrom/cdrom0/Solaris_10/Product`.
4. Replace the software.
 - To replace StarOffice with StarSuite, use the following commands:

```
# pkgrm 'pkginfo | grep staroffice- | awk '{print $2}''
# pkgadd -d .SUNWstarsuite-*
```

- To replace StarSuite with StarOffice, use the following commands:

```
# pkgrm `pkginfo | grep starsuite- | awk '{print $2}'`  
# pkgadd -d . SUNWstaroffice-*
```

If you use Solaris CDs, the localization packages are included in either Language 1 or 2 CD. The package names are as follows:

- SUNWstaroffice-lang* where lang = es, fr, de, sv, or it
- SUNWstarsuite-lang* where lang = ja, ko, zh-CN, or zh-TW

Additional Related Locales Might Be Installed

When you select a locale for your installation, additional related locales might also be installed. This change in behavior occurs in the Solaris 10 release because all full locales, with message translations, and the Asian and Japanese partial locales, locale enabler, have been repackaged based on language support for locales. Other partial locales are still packaged and installed based on geographic region, such as Central Europe.

Solaris Runtime Issues

This chapter describes runtime issues that are known to be problems.

Note – Some of the issues and bugs in this chapter have been fixed in subsequent Solaris 10 releases. If you have upgraded your Solaris software, certain issues and bugs in this chapter might no longer apply. To see which bugs and issues no longer apply to your specific Solaris 10 software, refer to [Appendix A, “Table of Integrated Bug Fixes in the Solaris 10 Operating System.”](#)

Common Desktop Environment

The following bugs in Solaris 10 OS apply to the Common Desktop Environment (CDE).

Remote Multilevel Login From the Login Screen Is Not Supported in Solaris Trusted Extensions (6616030)

The Remote Login item on the Options menu on the login screen cannot be used to remotely log in to a multilevel Trusted Extensions system. When the label of your system is the same as the label that has been assigned to an unlabeled system, you can log in remotely to that unlabeled system.

Workaround: To log in remotely, see the instructions in Chapter 8, “Remote Administration in Trusted Extensions (Tasks),” in *Solaris Trusted Extensions Administrator’s Procedures*.

Trusted Stripe Disappears From the Screen After Resolution Change (6460624)

When you type the `/usr/X11/bin/xrander -s` command to set a smaller screen resolution, trusted stripe is no longer displayed. This affects the Trusted CDE Desktop but not the Trusted Java DS Desktop. No error message is displayed.

Workaround: After the resolution change, restart the Workspace Manager. Select **windows -> Restart Workspace Manager** from the CDE workspace menu and click OK.

x86: kdmconfig Command Does Not Create System Identification Configuration File for Xorg X Server (6217442)

If you use the JumpStart installation method, the process might use a system identification configuration (`sysidcfg`) file. This file is used to generate a specific Xsun configuration file for a system. The Xsun configuration portion of a `sysidcfg` file is created by the command `kdmconfig -d filename`. However, on systems that use the default Xorg server, the command does not create a file with any Xorg configuration information. Consequently, you cannot use the JumpStart method on these systems without some additional preparatory steps.

Workaround: Before using the JumpStart installation method on a system that uses the Xorg server, perform the following steps.

1. Prepare a specific `xorg.conf` file to be used on the system. Store this file in the JumpStart directory of the JumpStart server.

Create an `xorg.conf` file with one of these commands:

- `/usr/X11/bin/Xorg -configure`
- `/usr/X11/bin/xorgconfig`
- `/usr/X11/bin/xorgcfg`

2. Create a finish script that copies the `xorg.conf` file to the `/etc/X11` directory in the system that you want to install. For example, the script might include the following line:

```
cp ${SI_CONFIG_DIR}/xorg.conf /etc/X11/Xorg.conf
```

3. In the custom JumpStart rules file, include the finish script in the rules entry for systems of the type that you want to install.
4. Perform the custom JumpStart installation.

For instructions about how to perform a custom JumpStart installation, see the *Solaris 10 5/08 Installation Guide: Custom JumpStart and Advanced Installations*. Chapter 4 includes information about the JumpStart rules file, while Chapter 5 contains a section about finish scripts.

CDE Removable Media Auto Run Capability Removed (4634260)

The Removable Media auto run capability in the CDE desktop environment has been temporarily removed from the Solaris 10 software.

Workaround: To use the auto run function for a CD-ROM or another removable media volume, you must do one of the following:

- Run the `volstart` program from the top level of the removable media file system.
- Follow the instructions that are included with the CD for access from outside of CDE.

Solaris PDASync Cannot Delete Last Entry From the Desktop (4260435)

After you delete the last item from the desktop, the item is restored from the handheld device to the desktop when you synchronize your handheld device. Examples of items that you might delete, and then have restored, are the last appointment in your Calendar or the last address in the Address Manager.

Workaround: Manually delete the last entry from the handheld device prior to synchronization.

File Systems

The following file system bugs apply to the Solaris 10 release.

x86: `raidctl` Fails to Create VD's on Dell SAS6i/R (6669169)

Dell SAS 6 HBA (LSI 1068) firmware versions starting with 0.20.46.00-IR introduce an incompatibility which might prevent `lsiutil` and `raidctl(1M)` commands from successfully configuring virtual drives. After the failure, the physical drives will enter an offline state and not be accessible. The `raidctl(1M)` which is included with the Solaris 10 5/08 release is affected as well as `lsiutil` from version 5.07.04 of the ITImpt package.

The following error message is displayed:

```
# /usr/sbin/raidctl -C "0.3.0 0.4.0" -s 64k 0
Creating RAID volume will destroy all data on spare space of member
```

disks, proceed (yes/no)?

Operation failed

Workaround: Configure virtual drives using the SAS configuration utility. To access the SAS configuration utility, enter Control-C when prompted during the BIOS boot sequence.

x86: ata Timeouts During Boot (6586621)

ata driver timeouts might occur during system boot on Intel multiprocessor systems. These timeouts occur when the root device is on a drive with the HBA controller bound to the legacy ata driver. These timeouts lead to a momentary hang, hard hang, or a panic during system boot with console messages similar to the following:

```
scsi: [ID 107833 kern.warning] WARNING: /pci@0,0/pci-ide@1f,2/ide@0 (ata0):
        timeout: reset bus, target=0 lun=0
scsi: [ID 107833 kern.warning] WARNING: /pci@0,0/pci-ide@1f,2/ide@0 (ata0):
        timeout: early timeout, target=0 lun=0
gda: [ID 107833 kern.warning] WARNING: /pci@0,0/pci-ide@1f,2/ide@0/cmdk@0,0 (Disk0):
        Error for command 'read sector'   Error Level: Informational
gda: [ID 107833 kern.notice]           Sense Key: aborted command
gda: [ID 107833 kern.notice]           Vendor 'Gen-ATA ' error code: 0x3
gda: [ID 107833 kern.warning] WARNING: /pci@0,0/pci-ide@1f,2/ide@0/cmdk@0,0 (Disk0):
        Error for command 'read sector'   Error Level: Informational
gda: [ID 107833 kern.notice]           Sense Key: aborted command
gda: [ID 107833 kern.notice]           Vendor 'Gen-ATA ' error code: 0x3
scsi: [ID 107833 kern.warning] WARNING: /pci@0,0/pci-ide@1f,2/ide@0 (ata0):
        timeout: abort request, target=0 lun=0
scsi: [ID 107833 kern.warning] WARNING: /pci@0,0/pci-ide@1f,2/ide@0 (ata0):
        timeout: abort device, target=0 lun=0
scsi: [ID 107833 kern.warning] WARNING: /pci@0,0/pci-ide@1f,2/ide@0 (ata0):
        timeout: reset target, target=0 lun=0
scsi: [ID 107833 kern.warning] WARNING: /pci@0,0/pci-ide@1f,2/ide@0 (ata0):
        timeout: reset bus, target=0 lun=0
scsi: [ID 107833 kern.warning] WARNING: /pci@0,0/pci-ide@1f,2/ide@0 (ata0):
        timeout: early timeout, target=0 lun=0
gda: [ID 107833 kern.warning] WARNING: /pci@0,0/pci-ide@1f,2/ide@0/cmdk@0,0 (Disk0):
        Error for command 'read sector'   Error Level: Informational
gda: [ID 107833 kern.notice]           Sense Key: aborted command
gda: [ID 107833 kern.notice]           Vendor 'Gen-ATA ' error code: 0x3
gda: [ID 107833 kern.warning] WARNING: /pci@0,0/pci-ide@1f,2/ide@0/cmdk@0,0 (Disk0):
```

Workaround: Choose one of the following workarounds:

Note – To avoid performance degradation, workaround 3 or workaround 4 should only be used temporarily until workaround 5 can be used .

- **Workaround 1:** Enable AHCI in BIOS if available on the system. Enabling this setting requires a reinstall of the Solaris OS.
- **Workaround 2:** Install Solaris on a disk on a controller which does not use the ata driver.
- **Workaround 3:** Disable MP in the BIOS setup so that a single processor is active.
- **Workaround 4:** Disable MP in Solaris so that a single processor is active. Perform the following steps from the Grand Unified Bootloader (GRUB) menu:

1. Type e to edit your selected Solaris entry.
2. Navigate to the line that begins with kernel.
3. Type e to switch to the GRUB edit mode.
4. Append -kd to the line.
5. Press Enter to accept the change.
6. Type b to boot the selected Solaris entry.
7. At the kbmnd prompt, type the following command:

```
use_mp/W 0 :c
```

8. If you are performing a system boot, proceed to Step 10, otherwise install the Solaris 10 5/08 software.
9. At the end of the installation, reboot the system. Repeat steps 1 through 7.
10. To make this change permanent so that the above steps do not need to be repeated for subsequent boots, do the following:

Become the super user, when the system boot is completed.

11. Open the /etc/system file.
12. Add the following line:

```
set use_mp = 0
```

- **Workaround 5:** Disable microcode update. Type the following command:

```
# mv /platform/i86pc/ucode /platform/i86pc/ucode.disabled
```

Microcode update can be invoked manually after the system is up:

```
# ucodeadm -u /platform/i86pc/ucode.disabled/intel-ucode.txt
```

zoneadm install Fails With a ZFS Legacy Mount (6449301)

If a non-global zone is initially configured with a ZFS file system to be mounted with the `add fs` subcommand and specifies `mountpoint=legacy`, the subsequent zone installation fails. The following error message is displayed.

```
ERROR: No such file or directory:
cannot mount </zones/path/root/usr/local> in non-global zone to install:
the source block device or directory </path/local> cannot be accessed
```

Workaround: Add access to a ZFS file system after installing the non-global zone.

ZFS and UNIX/POSIX Compliance Issues

ZFS is designed to be a POSIX compliant file system and in most situations, ZFS is POSIX compliant. However, two edge case conditions exist when ZFS does not meet the POSIX compliance tests:

1. Updating ZFS files system capacity statistics.
2. Modifying existing data with a 100 percent full file system.

Related CRs:

- 6362314
- 6362156
- 6361650
- 6343113
- 6343039

fdisk -E Can Sweep Disk Used by ZFS Without Warning (6412771)

If you use the `fdisk -E` command to modify a disk that is used by a ZFS storage pool, the pool becomes unusable and might cause an I/O failure or system panic.

Workaround:

Do not use the `fdisk` command to modify a disk that is used by a ZFS storage pool. If you need to access a disk that is used by a ZFS storage pool, use the `format` utility. In general, disks that are in use by file systems should not be modified.

ZFS and Third-Party Backup Product Issues

The following are the issues with the Veritas NetBackup and Brightstor ARCserve Backup products.

Veritas NetBackup Does Not Back Up and Preserve Files With ZFS/NFSv4 ACLs (6352899)

The Veritas NetBackup product can be used to back up ZFS files, and this configuration is supported. However, this product does not currently support backing up or restoring NFSv4-style ACL information from ZFS files. Traditional permission bits and other file attributes are correctly backed up and restored.

If a user tries to back up or restore ZFS files, the NFSv4-style ACL information from ZFS files is silently dropped. There is no error message indicating that the ACL information from ZFS files has been dropped.

Support for ZFS/NFSv4 ACLs is under development and is expected to be available in the next Veritas NetBackup release.

Workaround 1:

As of the Solaris 10 8/07 release, both the `tar` and `cpio` commands correctly handle ZFS files with NFSv4-style ACLs.

Use the `tar` command with the `-p` option or the `cpio` command with the `-P` option to write the ZFS files to a file. Then, use the Veritas NetBackup to back up the `tar` or `cpio` archive.

Workaround 2:

As an alternative to using Veritas NetBackup, use the ZFS `send` and `receive` commands to back up ZFS files. These commands correctly handle all attributes of ZFS files.

BrightStor ARCserve Backup Client Agent for UNIX (Solaris) and ZFS Support

The BrightStor ARCserve Backup (BAB) Client Agent for UNIX (Solaris) can be used to backup and restore ZFS files.

However, ZFS NFSv4-style ACLs are not preserved during backup. Traditional UNIX file permissions and attributes are preserved.

Workaround: If you want to preserve ZFS files with NFSv4-style ACLs, use the `tar` command with the `-p` option or the `cpio` command with the `-P` option to write the ZFS files to a file. Then, use BAB to backup the `tar` or `cpio` archive.

ZFS GUI Should Check For `/usr/lib/embedded_su` at the Beginning of Each Wizard (6326334)

If you add the `SUNWzfs` package from a Solaris 10 8/07 or Solaris 10 5/08 release to a system that runs a pre-Solaris 10 6/06 release, which does not have the `embedded_su` patch, the ZFS Administration application wizards are not fully functional.

If you attempt to run the ZFS Administration application on a system without the `embedded_su` patch, you will only be able to browse your ZFS configuration. The following error message is displayed:

```
/usr/lib/embedded_su: not found
```

Workaround:

Add the `embedded_su` patch (119574-02) to the system that runs a pre-Solaris 10 6/06 release.

Fails to Sync File System on Panic (6250422)

If a host panics with file system I/O occurring to a target, which is connected by using the Solaris iSCSI software initiator, the I/O might not be able to flush or sync to the target device. This inability to flush or sync might cause file system corruption. No error message is displayed.

Workaround:

Use the journaling file system like UFS. Starting with Solaris 10, UFS logging is enabled by default. For more information about UFS, see “What’s New in File Systems?” in *System Administration Guide: Devices and File Systems*.

Upgrading From Some Solaris Express or Solaris 10 Releases Requires Remounting of File Systems

After you upgrade an NFSv4 server from Solaris Express 6/05 to Solaris Express 7/05 or later (including all Solaris 10 updates), your programs might encounter EACCES errors. Furthermore, directories might erroneously appear to be empty.

To prevent these errors, unmount and then remount the client file systems. In case unmounting fails, you might need to forcibly unmount the file system by using `umount -f`. Alternatively, you can also reboot the client.

NFSv4 Access Control List Functions Might Work Incorrectly

NFSv4 Access Control List (ACL) functions might work improperly if clients and servers in the network are installed with different previous Solaris 10 releases. The affected ACL functions and command-line utilities that use these functions are the following:

- `acl()`
- `facl()`
- `getfacl`
- `setfacl`

For more information about these functions and utilities, see their respective man pages.

For example, errors might be observed in a network that includes the following configuration:

- A client that is running Solaris 10 Beta software
- A server that is running Solaris 10 software

The following table illustrates the results of the ACL functions in client-server configurations with different Solaris 10 releases.

Operation	Client S10 OS	Server S10 OS	Result
get ACL	S10 Beta	S10 OS	fabricated ACL *
get ACL	S10 OS	S10 Beta	works ok
set ACL	S10 Beta	S10 OS	works ok
set ACL	S10 OS	S10 Beta	Error: EOPNOTSUP

Workaround: For the NFSv4 ACL functionality to work properly, perform a full installation of the Solaris 10 OS on both the server and the client.

Access Problems Between Solaris NFSv4 Clients and NFSv4 Servers

In the current Solaris 10 version, Solaris implementation of NFSv4 Access Control Lists (ACL) is now compliant with RFC 3530 specifications. However, errors occur for NFSv4 clients that use the Solaris 10 Beta 2 or Beta 1 versions. These clients cannot create files in the NFSv4 servers that are using the current Solaris 10 release. The following error message is displayed:

NFS getacl failed for *server_name*: error 9 (RPC: Program/version mismatch)

Workaround: None.

Using `mkfs` Command to Create File System Might Fail on Very Large Disks (6352813)

The `mkfs` command might be unable to create a file system on disks with a certain disk geometry and whose sizes are greater than 8 Gbytes. The derived cylinder group size is too large for the 1-Kbyte fragment. The large size of the cylinder group means that the excess metadata cannot be accommodated in a block.

The following error message is displayed:

```
With 15625 sectors per cylinder, minimum cylinders
per group is 16. This requires the fragment size to be
changed from 1024 to 4096.
Please re-run mkfs with corrected parameters.
```

Workaround: Use the `newfs` command instead. Or, assign a larger fragment size, such as 4096, when you use the `mkfs` command.

System Crash Dump Fails on Devices Greater Than 1 TByte (6214480)

The system cannot generate a dump on a partition that is equal to or greater than 1 Tbyte in size. If such a device is on a system, the following might occur after the system boots subsequent to a system panic:

- The system does not save the dump.
- The following message is displayed:

```
0% done: 0 pages dumped, compression ratio 0.00, dump failed: error 6
```

Workaround: Configure the size of your system's dump device to less than 1 Tbyte.

Using `smosservice` Command to Add OS Services Results in Insufficient Disk Space Message (5073840)

If you use the `smosservice` command to add OS services to a UFS file system, a message that there is insufficient disk space available is displayed. This error is specific to UFS file systems on EFI-labeled disks.

Workaround: Complete the following workaround.

1. Apply the SMI VTOC disk label.
2. Re-create the file system.

3. Rerun the `smosservice` command.

Hardware–Related Issues and Bugs

The following hardware–related issue and bugs apply to the Solaris 10 release.

SPARC: SCSI Second Disk Fails to Attach After Solaris Live Upgrade (6684776)

Some desktop systems might lose access to disks, other than their root disks, while using Solaris Live Upgrade to upgrade from the Solaris 10 8/07 release to the Solaris 10 5/08 release. This occurs due to a bug in the power management system.

The following error message is displayed:

```
System can't access disk.
```

Workaround: Disable power management on the system. Perform the following steps:

1. Edit the `/etc/power.conf` configuration file and change the `autopm` entry from `default` to `disable`.
2. Update the power settings with the `pmconfig -r` command.
3. Reboot the system.

x86: Cannot Enable MPxIO (6664694)

x64 systems using the LSI SAS PCI-E host bus adapters (HBAs) such as SG-XPCIE8SAS-E-Z, SG-XPCIE4SAS-Z, SG-XPCIE4SAS3-Z, and SG-PCIE8SAS-Z, cannot enable MPxIO if more than 4 Gbytes of RAM is installed.

To confirm whether your system is affected, type the command `prtctl -v`. Search the output of this command for devices using either `pci1000,56` or `pci1000,58` compatible properties, and where a `pcie-capid-reg` property exists and the `revision-id` property is less than or equal to 2. For example:

```
pci1000,56 AND pcie-capid-reg exists AND revision-id <= 2
```

or

```
pci1000,58 AND pcie-capid-reg exists AND revision-id <= 2
```

Workaround: Download and install patch 125082-13 from <http://sunsolve.sun.com>.

64-bit SPARC: DR Operations Involving Lowest CPU ID Fail (6663570)

Dynamic reconfiguration (DR) operations involving the lowest CPU ID might cause the domain to panic. The following error message is displayed:

```
panic[cpu40]/thread=2a1008ebca0: BAD TRAP: type=10 rp=xxxxxxx addr=xxxxxxx mmu_fsr=0
```

Workaround: Do not use DR to identify the system board hosting the CPU with the lowest CPU ID. Use the `prtdiag` command to identify the CPU with the lowest CPU ID.

SPARC: 19.55% Performance Regression for the NCP Device Driver (6660074)

Performance regression occurs for the Niagara Crypto Provider (NCP) device driver on Sun SPARC® Enterprise T5220 machines with the Solaris 10 5/08 release. No error message is displayed.

Workaround: Add the following line to the `/platform/sun4v/kernel/drv/ncp.conf` configuration file:

```
ncp-threads-per-core=6;
```

64-bit SPARC: Some DR Commands Fail (6614737)

The DR commands, `deleteboard(8)` and `moveboard(8)`, might hang if any of the following conditions exist:

- A dual in-line memory module (DIMM) has been degraded.
- The domain contains system boards with different memory sizes.

No error message is displayed.

Workaround: If a DR command hangs, reboot the domain to recover.

Avoid performing DR operations if any of the listed conditions exist.

To identify if the system contains degraded memory, use the `XSCF showstatus` command. To identify if the domain contains system boards with different memory sizes, use the `XSCF showdevices` command. You can also use the `prtdiag` command on the domain to display the list of memory sizes of the system boards.

The (ZFS) ARC Allocates Memory Inside The Kernel Cage Preventing DR (6522017)

ZFS can potentially allocate kernel memory across all system boards on systems with very large memory configurations. One free system board is required for dynamic memory reconfiguration so that the memory from the board to be dynamically reconfigured can be copied to the free board. The dynamic memory reconfiguration means that you cannot dynamically reconfigure memory on systems with very large memory configurations that have ZFS running. High-end SunFire™ servers can relocate kernel pages so that this issue is avoided. These servers must have kernel page relocation (KPR) enabled for domains with more than 32 cores. No error message is displayed

Workaround: Reduce the amount of kernel memory that ZFS can allocate by setting the `zfs_arc_max` parameter in the `/etc/system` file. The following example sets the maximum size to 512 Mbytes.

```
set zfs_arc_max = 0x20000000
```

mpathadm Does Not Display Load-Balance Setting Specific to Device

The `mpathadm show logical-unit` subcommand lists the load balancing global configuration value for the Current Load Balance property. However, entries in the `csi_vhci.conf` that change the load-balance type for a specific product are not reflected in the `mpathadm` output even when the setting is active.

Registration Tool Prevents Power Management on Some Framebuffers (6321362)

If the background processes for the registration tool are left running, the Elite3D and Creator3D framebuffers stop power management. This failure reduces the power savings when the system is in a power-managed state. Under certain conditions, `sys-suspend` might also hang. No error message is displayed. The system might hang during a system suspend or resume operation.

Workaround:

Run the following command approximately 60 seconds after each login:

```
# pkill -f basicreg.jar
# pkill -f swupna.jar
```

SPARC: Sun Crypto Accelerator 4000 Board Versions 1.0 and 1.1 Not Supported in Solaris 10 OS

A new cryptographic framework is provided in Solaris 10 OS. However, versions 1.0 and 1.1 of the Sun Crypto Accelerator 4000 board's software and firmware do not utilize this framework. Consequently, these versions are not supported in the Solaris 10 OS.

The 2.0 release uses the new framework. This release is available as a free upgrade to current Sun Crypto Accelerator 4000 users who plan to use Solaris 10 OS. Because the Sun Crypto Accelerator 4000 is an export-controlled product, you must contact Sun Enterprise Services or your local sales channel to obtain the free upgrade. Additional information is available on the Sun Crypto Accelerator 4000 web page at Sun's [products site](#).

Certain USB 2.0 Controllers Are Disabled

Support for certain USB 2.0 controllers has been disabled because of incompatibilities between these devices and the EHCI driver. The following message is displayed:

```
Due to recently discovered incompatibilities with this
USB controller, USB2.x transfer support has been disabled.
This device will continue to function as a USB1.x controller.
If you are interested in enabling USB2.x support please refer
to the ehci(7D) man page.
Please refer to www.sun.com/io for Solaris Ready products
and to www.sun.com/bigadmin/hcl for additional compatible
USB products.
```

For the latest information about USB devices, see
http://www.sun.com/io_technologies/USB-Faq.html.

Supported USB Devices and Corresponding Hub Configurations

This Solaris release supports both USB 1.1 and USB 2.0 devices. The following table is a summary of USB devices that work in specific configurations. Connection types can either be direct to the computer or through a USB hub. Note that USB 1.1 devices and hubs are low speed or full speed. USB 2.0 devices and hubs are high speed. For details about ports and speeds of operation, see the *System Administration Guide: Devices and File Systems*.

TABLE 2–1 USB Devices and Configurations

USB Devices	Connection Types
USB 2.0 storage devices	Direct, USB 1.1 hub, USB 2.0 hub
USB 1.1 devices except audio	Direct, USB 1.1 hub, USB 2.0 hub
USB 1.1 audio devices	Direct, USB 1.1 hub
USB 2.0 audio devices	Not supported

x86: Limitations Exist With Certain Device Drivers in Solaris 10 OS

The following list describes limitations with certain drivers and interfaces in this release of Solaris 10 for x86 platforms:

Checkpoint Resume	This functionality is turned off for all device types. In the <code>DDI_SUSPEND</code> code in your <code>detach()</code> function, you should return <code>DDI_FAILURE</code> .
Power Management	This functionality is unavailable to USB devices. Do not create power management components. Write your driver so that <code>pm_raise_power()</code> and <code>pm_lower_power()</code> are called only when power management components are created.

DVD-ROM/CD-ROM Drives on Headless Systems

Power management of interactive devices such as removable media is linked with power management of your monitor and the graphics card that drives your monitor. If your screen is active, devices such as the CD-ROM drive and diskette remain at full-power mode. These devices might switch to low-power mode on a system without a monitor. To restore power to the CD or diskette, type **volcheck** to obtain the latest status from each removable device.

Alternatively, you can disable power management on your system by using the Dtpower GUI. By disabling power management, these devices are constantly at full power.

x86: Manual Configuration Required to Specify Non-US English Keyboards

By default, the `kdmconfig` program specifies Generic US-English(104-Key) as the keyboard type that is connected to the system. If the system's keyboard is not a US-English keyboard, you must

manually specify the keyboard type during installation. Otherwise, installation continues by using the default keyboard specification that is inconsistent with the system's actual keyboard type.

Workaround 1: If the system's keyboard is not a US-English keyboard, perform the following steps during installation:

1. When the Proposed Window System Configuration For Installation is displayed, press Esc.

Note – The information on the Proposed Window System Configuration For Installation, which includes the keyboard type, is displayed only for 30 seconds. If you want to change configuration settings, you must press Esc before the 30 seconds lapse. Otherwise, the installation continues by using the displayed settings.

2. Change the keyboard type to the type that corresponds to your system's keyboard.
3. Press Enter to accept the changes and continue with the installation.

Workaround 2: If you want to change the keyboard type in a system that is already running Solaris 10 OS, use the `kdmconfig` program. Choose the option that applies to the type of X server your system is running.

- If your system is running the Xsun server, follow these steps:
 1. Run `kdmconfig`.
 2. Use the Change Keyboard option to change the keyboard type.
 3. Save the configuration.
- If your system is running the default Xorg server, follow these steps:
 1. Run `kdmconfig`.
 2. Select the Xsun server.
 3. Use the Change Keyboard option to change the keyboard type.
 4. Save the configuration.
 5. Run `kdmconfig` again to switch to the Xorg server.

SPARC: jfca Driver for Certain Host Bus Adapters That Are Connected to Tape Devices Might Cause Errors (6210240)

The `jfca` driver for the following host bus adapters (HBAs) might cause system panics or I/O failures when these HBAs are connected to tape devices:

- SG-PCI1FC-JF2
- SG-PCI2FC-JF2

The jfca driver for these HBAs is prone to race conditions when certain operations are being run, and thus causes the errors. The operations are the following:

- Link reset
- Loop reset
- Switch reset
- Repeated link failures

Error messages similar to the following examples might be displayed:

- I/O failure messages

```
jfca: [ID 277337 kern.info] jfca4: Sequencer-detected error. Recover
immediately.
last message repeated 18376 times
  jfca: [ID 716917 kern.notice] jfca4: ExgWarning:  SendVerify(1): SHOULD
ABORT THE ORIG I/O PKG=30007520bd8!
scsi: [ID 107833 kern.warning] WARNING:
/pci@1e,600000/SUNW,jfca@3,1/fp@0,0/st@w2100001086108
628,1 (st3):
  SCSI transport failed: reason 'timeout': giving up
```

- System panic message

```
panic[cpu1]/thread=2a100497cc0:
BAD TRAP: type=31 rp=2a1004978d0 addr=a8 mmu_fsr=0 occurred in module
"jfca" due to a NULL pointer dereference
```

Workaround: Do not connect tape devices to either the SG-PCI1FC-JF2 or SG-PCI2FC-JF2 HBA.

Contention Exists Between Certain Devices That Share the Same Bus (6196994)

A bus contention occurs if Quad Fast-Ethernet (QFE) cards share the same bus with any of the following adapters:

- Sun GigaSwift adapter
- Sun Dual Gigabit Ethernet and Dual SCSI/P adapter
- Sun Quad Gigaswift Ethernet adapter

The infinite-burst parameter of the ce driver that is used by these adapters is enabled by default. Consequently, little or no bus time is available for the QFE ports that share the same bus.

Workaround: Do not place QFE cards on the same bus as the network adapters in the list.

hat_getkpfnum() DDI Function Is Obsolete (5046984)

The `hat_getkpfnum()` DDI function is obsolete. Developers should update their device drivers to not use the `hat_getkpfnum()` DDI interface. If drivers are using `hat_getkpfnum()`, warnings similar to the following example are displayed:

```
WARNING: Module mydrv is using the obsolete hat_getkpfnum(9F)
interface in a way that will not be supported in
a future release of Solaris. Please contact the
vendor that supplied the module for assistance,
or consult the Writing Device Drivers guide,
available from http://www.sun.com for migration
advice.
---
```

Callstack of bad caller:

```
    hat_getkpfnum_badcall+93
    hat_getkpfnum+6e
    mydrv_setup_tx_ring+2d
    mydrv_do_attach+84
    mydrv_attach+242
    devi_attach+6f
    attach_node+62
    i_ndi_config_node+82
    i_ddi_attachchild+4a
    devi_attach_node+4b
    devi_attach_children+57
    config_immediate_children+6e
    devi_config_common+77
    mt_config_thread+8b
```

To determine if a driver is using `hat_getkpfnum()`, consult the driver source code, or examine the driver's symbols by using `nm()`. Using the driver `mydrv` as an example, type the following syntax:

```
% nm /usr/kernel/drv/mydrv | grep hat_getkpfnum
```

For guidance about migrating drivers away from `hat_getkpfnum()`, refer to Appendix B, “Summary of Solaris DDI/DKI Services,” in *Writing Device Drivers*.

Some DVD and CD-ROM Drives Fail to Boot Solaris (4397457)

The default timeout value for the SCSI portion of the SunSwift^{CTM} PCI Ethernet/SCSI host adapter (X1032A) card does not meet the timeout requirements of Sun's SCSI DVD-ROM drive

(X6168A). With marginal media, the DVD-ROM occasionally experiences timeout errors. The only exceptions are Sun Fire 6800, 4810, 4800, and 3800 systems. These systems overwrite the SCSI timeout value by means of OpenBoot PROM.

Workaround: For other platforms, use the on-board SCSI interfaces or DVD-ROM compatible SCSI adapters, such as the following examples:

- X1018A (SBus: F501-2739-xx)
- X6540A (PCI: F375-0005-xx)

iPlanet Directory Server 5.1 Issues

This section provides important information for users of iPlanet™ Directory Server 5.1 who are upgrading to the new Solaris 10 release.

Installing Directory Server 5.1

Sun Java System Directory Server 5 2005Q1 replaces iPlanet Directory Server 5.1 that was integrated in the Solaris 9 Operating System. In Solaris 10 OS, this new Directory Server can be installed as part of the Sun Java Enterprise System.

Note – For information about the Sun Java System Directory Server 5 2005Q1, refer to the documentation for the Sun Java System at <http://docs.sun.com>.

Solaris 10 OS continues to support Directory Server 5.1. You might need to install Directory Server 5.1 under the following circumstances:

- You need to recover Directory Server 5.1 data.
- You want to migrate your data to Directory Server 5 2005Q1.

In Solaris 10 release, you install the Directory Server 5.1 manually. Follow these steps:

1. Insert the Solaris 10 Software - 5 CD into your CD-ROM drive.
2. Become superuser.
3. In a terminal window, install the Directory Server.

```
# cd /cdrom/cdrom0/Solaris_10/Product/
# pkgadd -d . IPLTnls IPLTnspr IPLTnss IPLTjss IPLTldap \
IPLTdsr IPLTdsu IPLTadmin IPLTcons IPLTadcon IPLTdscon \
IPLTadman IPLTdsman
```

To install Simplified Chinese localization packages, issue the following additional command:

```
# pkgadd -d . IPLTcdsu IPLTcadman IPLTccons IPLTcadcon \
IPLTcdscon IPLTcadman IPLTcdsman
```

To install Japanese localization packages, issue the following additional command:

```
# pkgadd -d . IPLTjdsu IPLTjadmin IPLTjcons IPLTjadcon \
IPLTjdscon IPLTjadmin IPLTjdsman
```

4. After installation is complete, configure iPlanet Directory Server 5.1. Refer to Chapter 11, “Sun ONE Directory Server Configuration,” in *System Administration Guide: Naming and Directory Services (DNS, NIS, and LDAP)*.

Migrating to the Sun Java System Directory Server 5 2005Q1



Caution – The database formats of the two Directory Server versions are incompatible. Thus, if you are a Directory Server 5.1 user, Sun recommends that you migrate your database to a database that is formatted for the Sun Java System Directory Server 5 2005Q1.

To perform a migration, both versions of the Directory Server must exist in the system that has been upgraded to the Solaris 10 OS. If you are a DS 5.1 user, but are using the compressed archive (.tar.gz) delivery format, you can skip immediately to the migration instructions in Step 2.

1. On a terminal window, check whether iPlanet Directory Server 5.1 packages are present in your system.

```
$ pkginfo | grep IPLT
```

If the following packages appear as output, then you can go to Step 2 to proceed with the migration. The output indicates that the iPlanet Directory Server 5.1 packages are in the system.

```
system IPLTadcon Administration Server Console
system IPLTadman Administration Server Documentation
system IPLTadmin Administration Server
system IPLTcons Console Client Base
system IPLTdscon Directory Server Console
system IPLTdsman Directory Server Documentation
system IPLTdsr Directory Server (root)
```

```

system IPLTdsu    Directory Server (usr)
system IPLTjss    Network Security Services for Java
system IPLTnls    Nationalization Languages and Localization Support
system IPLTnspr   Portable Runtime Interface
system IPLTnss    Network Security Services
system IPLTpldap  PerLDAP
$

```

If the packages do not exist, then install the iPlanet Directory Server 5.1 packages first. Refer to the 4-step procedure in the preceding section “[Installing Directory Server 5.1](#)” on page 73. After installation is complete, go to Step 2 to proceed with the migration.

2. Migrate your iPlanet Directory Server 5.1 database to the current version. For instructions, refer to the documentation collection for the Sun Java System Directory Server at http://docs.sun.com/coll/DirectoryServer_05q1.

After migrating your data, make sure you continue to back up directory data in the same way as you backed up directory data before migration. Future disaster recovery might require the migrated database.

Issues While Running Debugger

The following issues involve the kernel debugger.

x86: Unexpected SIGTRAP Signal Causes dbx Debugger to Hang (6546562)

When the dbx debugger is being used on the Solaris 10 OS on x86 platforms to debug a program that raises or delivers signals that have signal handlers, dbx might receive an unexpected SIGTRAP signal from the kernel that causes the debugger to hang. This situation can occur when dbx is single stepping, running to a breakpoint, collecting runtime checking (RTC) data, or performing any other activity that depends on signal trapping.

In some cases, dbx displays a warning of an unexpected SIGTRAP signal when it hangs. For example:

```
dbx: internal warning: unexpected SIGTRAP!
```

In other cases, dbx indicates receipt of a SEGV signal. For example:

```
signal SEGV (no mapping at the fault address) in main at line 29 in file "test.c"
```

In this case, when the user types the `cont -sig SEGV` command to continue execution with the SIGEV signal, dbx displays the warning of the unexpected SIGTRAP.

This bug is introduced into the Solaris 10 OS on x86 platforms when kernel patch 127112 is installed.

Workaround: Do not install kernel patch 127112. Uninstall the kernel patch if it has already been installed. For more information about this bug, see the Sun Studio Support News page at <http://developers.sun.com/sunstudio/support/news/index.jsp>.

SPARC: Problems With dbx Debugger While Processing 64-bit Objects (6347707)

The dbx debugger terminates with a memory access failure while processing certain 64-bit executable files and libraries. However, the problem does not affect the normal use of these 64-bit objects. An error message similar to the following example is displayed:

```
dbx: internal error: signal SIGBUS (invalid address alignment)
```

Workaround: Use either the mdb debugger or the Solaris Dynamic Tracing facility instead. These alternatives can diagnose processes that use the 64-bit objects.

System Might Loop When Master CPU Is Changed (4405263)

A system that is running the Solaris kernel debugger to debug a live system might loop with incomplete error messages. This loop occurs when the OpenBoot PROM's master CPU is changed. A system reset restores the system to operation. However, the traces of the original failure are lost. Consequently, you cannot perform a diagnosis of the fatal reset.

Workaround: When the system is at the PROM level, the OpenBoot's ok prompt is displayed. In a system with multiple CPUs, the ok prompt is preceded by a number that is enclosed in curly braces. This number indicates the active CPU in the system. To run your debug session while at the PROM level, use the following steps.

1. Raise pil to f by typing the following command:

```
{0} ok h# 0f pil!
```

2. Use the `switch-cpu` command to selectively switch from the currently active CPU to different CPUs. For example, to switch from CPU #0 to CPU #1, type the following command:

```
(0) ok 1 switch-cpu
```

The ok prompt is now preceded by the number of the CPU to which you switched.

```
{1} ok
```

3. Run your debugger.
4. At the end of your debugger session, issue a `reset -all` command to return the system to normal use.

Note – Make sure that you upgrade the system to the latest version of the OpenBoot PROM.

Localization Issues

This section describes localization issues that apply to Solaris 10 OS.

Multiple Input Method Switcher Applications Appear in Trusted Java DS

When you log in to the Trusted Java DS with UTF-8 or Asian locales, the Input Method Switcher application, `iiim-panel`, appears per label by default. Thus in multiple label environment, multiple `iiim-panel` appears, which could be confusing to the user.

No error message is displayed.

Workaround: Stop using the `iiim-panel`. Perform the following steps:

- Right-click on `iiim-panel` and select Preference. The Input Method Preference Editor, `iiim-properties`, is displayed.
- Select None or Attach to Each Application from the Input Method Status and Switcher Placement list in the General tab.
- Press Apply or Click the OK button.

To switch the input language, you can also use Hotkey. To enable Hotkey, perform the following steps:

- Go to Misc tab in the `iiim-properties`.
- Select the Enable Language/Script choice window using Hotkey option.
- Press Apply or Click the OK button.

Note – When Attach to each application is selected, the language switcher list will not be displayed for GTK applications. You can switch input language by using Hotkey.

Wnn8 Japanese Input Method

Wnn8 Japanese Input method cannot be used if the Wnn8 servers are not enabled.

Workaround: Enable the Wnn8 servers:

```
# svcadm enable wnn8/server
```

In addition, select Wnn8 as the Japanese Language engine by running the `iiim-properties` command.

Input Method Cannot Be Enabled With Primary Administrator Rights (6475081)

A user who has the Primary Administrator right can not use the input method for specific locales which prevents that user from entering characters normally. The input method status is not displayed in the workspace. No error message is displayed.

Workaround: Add the following lines to the `/etc/security/exec_attr` file:

```
Primary Administrator:solaris:cmd::/usr/bin/csh:uid=0;gid=0
Primary Administrator:solaris:cmd::/usr/bin/ksh:uid=0;gid=0
Primary Administrator:solaris:cmd::/usr/bin/sh:uid=0;gid=0
```

For information about the file format, see the `exec_attr(4)` man page.

New ChuYin Input Method Not Supported in Upgrade to IIIMF rev.12 (6492129)

When you upgrade the OS to the Solaris 10 6/06 or Solaris 10 11/06 release, the input method framework and individual input methods get upgraded from rev.10 to rev.12. However, ChuYin is not in the list of supported input methods. Also, you cannot use the function keys F2 and F3 to switch methods

Workaround: Use PinYin to type traditional Chinese characters with Hanyu PinYin. Use `Ctrl+Shift` to switch input methods.

AltGr Does Not Work As Mode Switcher in Some Russian Locales (6487712)

The AltGr key does not work as a mode switcher for the Russian Xsun layout in ru_RU.KOI8-R and ru_RU.ANSI1251 locales.

Workaround 1: Switch to the ru_RU.UTF-8 or the ru_RU.ISO8859-5 locale.

Workaround 2: Use IIIMF™ instead of the Russian keyboard layout.

Arabic Text Not Appearing in ar Locales

If your x86 system is using Xorg as the default Xserver, the Arabic font (iso7759-6) does not appear in the ar locale. This error does not occur if you are using XSun instead of XOrg.

Workaround: Follow these steps.

1. As superuser, edit /usr/dt/config/Xservers.

- Uncomment or add the following line:

```
:0 Local local_uid@console root /usr/openwin/bin/Xsun :0
-nobanner -defdepth 24
```

- Comment out the following line:

```
:0 Local local_uid@console root /usr/X11/bin/Xorg :0
```

2. Reboot the system.

Alternatively, you can log in to ar_EG.UTF-8 or other UTF-8 locales.

Solaris PDASync Does Not Support Data Exchange With the Multibyte Internationalized PDA Device (4263814)

If you exchange multibyte data between a PDA device and Solaris CDE, the data might be corrupted in both environments.

Workaround: Back up your data on your personal computer with the PDA backup utility before you run the Solaris PDASync application. If you accidentally exchange multibyte data and corrupt that data, restore your data from the backup.

Several Arabic Fonts Do Not Work in GNOME (6384024)

In GNOME when you select certain Arabic fonts, the characters do not display. This problem appears when you select fonts for applications, the desktop, or the window title using the GNOME font properties menu. The affected fonts include:

- Akhbar MT (Regular, Bold)
- Shayyal MT (Regular, Bold)
- Naskh MT (Regular, Bold)

No error message is displayed.

Workaround:

Use any of the newly delivered Kacst family of fonts to display Arabic characters in GNOME applications.

Unable to Switch Input Language on Session-Saved Applications (6360759)

Multiple language input is supported in UTF-8 locales, but the language switch is not working with session-saved applications where mouse button 1 is clicked first after login. This problem occurs with the Java Desktop System (Java DS). No error message is displayed.

Workaround:

Click mouse button 1 on the background workspace or Launch Menu before clicking any application.

Keyboard Shortcuts in Mozilla in ES Locale Are Unusual and Ambiguous (6288620)

The keyboard shortcuts in Mozilla 1.7 are unusual, especially in Spanish locale. For example, Ctrl-S is being used for copying as well as for saving. No error message is displayed.

Workaround:

Identify the shortcut keys assigned to user actions from menu in the product.

Migration Note to UTF-8 locales

When migrating to UTF-8 locales, the files affect the method that you use to import or export data.

Microsoft Office Files

Microsoft Office files are encoded in Unicode. StarOffice applications can read and write the Unicode encoded files.

HTML Files

HTML files authored using HTML editors such as Mozilla Composer, or HTML files saved by a web browser, usually contain a charset encoding tag. After exporting or importing, you can browse such HTML files with the Mozilla Navigator web browser, or edit the files with Mozilla Composer, according to the encoding tag in the HTML file.

Fixing Broken HTML File

Some HTML files might be displayed in garbage characters. This problem is typically due to the following reasons:

- The charset encoding tag is incorrect.
- The charset encoding tag is missing.

To find the charset encoding tag in the HTML file, perform the following actions:

1. Open the file with Mozilla.
2. Press Ctrl-i, or click View to open the View menu.
3. Click Page Info.

The charset information is in the bottom of the General tab, for example:

```
Content-Type text/html; charset=us-ascii
```

If the string charset=us-ascii does not match the actual encoding of the file, the file might appear broken. To edit the encodings of the HTML file, perform the following actions:

1. Open the file with Mozilla Composer.
2. Open the File menu.
3. Select Save as Charset.
4. Choose the correct encoding. Mozilla Composer automatically converts the encoding and the charset tag as appropriate.

Emails Saved As Portable Format

Modern mails are tagged with the MIME charset tag. The Email and Calendar application accepts MIME charset tags. You do not need to perform any encoding conversion.

Plain Text Files

Plain text files do not have a charset tag. If the files are not in UTF-8 encoding, encoding conversion is needed. For example, to convert a plain text file encoded in Traditional Chinese big5 to UTF-8, execute the following command:

```
iconv -f big5 -t UTF-8 inputfilename
```

```
> outputfilename
```

You can also use the File System Examiner for the encoding conversion.

You can use the Text Editor to read and write character encoding text automatically or by specifying an encoding explicitly when opening or saving a file.

To start Text Editor, click Launch, then choose Applications->Accessories->Text Editor.

File Names and Directory Names

If file names and directory names using multibyte characters are not in UTF-8 encoding, encoding conversion is needed. You can use File System Examiner to convert file and directory names and the contents of plain text files from legacy character encodings to UTF-8 encoding. Refer to the online Help for File System Examiner for more information.

To start File Systems Examiner, click Launch, then choose Applications->Utilities->File System Examiner.

When you access non-UTF-8 file or directory names on Microsoft Windows via SMB using File Manager, you can access the non-UTF-8 file or directory names without encoding conversion.

Launching Legacy Locale Applications

For applications that are not ready to migrate to Unicode UTF-8, you can create a launcher on a front panel to start the application in legacy locales. You can also launch the applications directly from the command line. Perform the following steps to create a launcher for an application.

1. Right-click on the panel where you want to place the launcher.
2. Choose Add to Panel->Launcher.

3. Use the following format to type the entry in the Command field in the Create Launcher dialog:

```
env LANG=locale LC_ALL=locale application name
```

For example, if you want to launch an application called `motif-app` from `/usr/dt/bin` in the Chinese Big5 locale, enter the following text in the Command field of the Create Launcher:

```
env LANG=zh_TW.BIG5 LC_ALL=zh_TW.BIG5 /usr/dt/bin/motif-app
```

4. Click OK to create the launcher on the panel.

When you need to run CLI (command line interface) applications which are specific to a legacy locale, open a Terminal window in the legacy locale first and then run the CLI applications in the same Terminal window. To open a Terminal window in a legacy locale, enter the following command:

```
eng LANG=locale LC_ALL=locale GNOME-TERMINAL --disable-factory.
```

Instead of opening a new Terminal window in a legacy locale, you can switch the locale setting from UTF-8 to a legacy locale in the current Terminal window by changing the encoding the Set Character Encoding menu in the Terminal window. Then you must also set the `LANG` and `LC_ALL` environment variables to the current shell.

Hardware for Some Keyboards Layouts Type 6 and 7 Not Available

Software support for some keyboard layouts has been added to the Solaris OS. This software gives users greater flexibility for keyboard input by modifying standard U.S. keyboard layouts to their own language needs.

Currently, no hardware is available for the following keyboard layout types:

Albania	Belarus
Belarus	French Canadian
Croatia	Czech
Denmark	Estonia
Hungary	Iceland
Latvia	Lithuania

Networking Issues

The following networking bugs apply to the Solaris 10 release.

nxge Driver Panics in nxge_fflp_stat_update (6644276)

Running `kstat` on the `nxge` driver might cause a system panic. However, this condition is rarely encountered.

Workaround: Do not run `kstat` on the `nxge` driver.

SPARC: NFS/RDMA Connection Errors (6229077)

Connection errors might occur between an NFS server and client that are using Remote Direct Memory Access (RDMA). Because of these errors, the buffer pool resources are exhausted and the system panics. The following error message is displayed:

```
rpcib: WARNING: rib_rbuf_alloc: No free buffers!
```

Workaround: Choose one of the following workarounds:

- Configure the NFS server to enable TCP. In the `/etc/default/nfs` file, change `(NFSD_PROTOCOL=tcp)`.
- Mount the NFS file system from the client side with the `proto=tcp` mount option.

For more information, see the `mount_nfs(1M)` and `nfs(4)` man pages.

Login Fails on iSCSI Target With Two Portals and One Bad Portal (6476060)

If an iSCSI target or an array returns more than one IP address as part of its `send target` response, the initiator takes into account only the last address in the list and not the first one, as it used to prior to this release. As a result, if the last IP address is bad or invalid, the connection to this target fails.

Workaround: Return the different target portal group tags (TPGT) for each entry in its `send target` response. The initiator tries to establish a connection to all the IP addresses so that the connection succeeds.

System Domain of Interpretation Is Not Configurable (6314248)

The system Domain of Interpretation (DOI) is not configurable. When the Solaris Management Console is used to create a new trusted network template, the Solaris Management Console sets the DOI to **0** and Solaris Trusted Extensions does not function correctly. Various error messages are displayed.

Workaround: Set the DOI to **1** using the Solaris Management Console.

IP Forwarding Disabled by Default in Solaris 10 OS

In this Solaris release, IP forwarding is disabled by default. This setting applies to both IPv4 and IPv6 regardless of other system configurations. Systems with multiple IP interfaces that formerly forwarded IP packets by default no longer have this automatic feature. To enable IP forwarding in multihomed systems, administrators must manually perform additional configuration steps.

Workaround: The command `routedm` enables IP forwarding. The configuration changes that are the result of `routedm` usage persist across system reboots.

- To enable IPv4 forwarding, type **`routedm -e ipv4-forwarding`**.
- To enable IPv6 forwarding, type **`routedm -e ipv6-forwarding`**.
- To apply the enabled IP-forwarding configuration to the currently running system, type **`routedm -u`**.

For more information about IP forwarding, see the `routedm(1M)` man page.

Zone Not Booting When IP Address Belongs to a Failed IP Network Multipathing Group (6184000)

A zone can be configured so that the zone's IP address becomes part of an IP Network Multipathing (IPMP) group. The configuration process is documented in “How to Extend IP Network Multipathing Functionality to Shared-IP Non-Global Zones” in *System Administration Guide: Solaris Containers-Resource Management and Solaris Zones*.

If all the network interfaces in the IPMP group fail, a zone does not boot if it has an IP address that is part of the IPMP group.

The following example illustrates the result if you attempt to boot the zone.

```
# zoneadm -z my-zone boot
zoneadm: zone 'my-zone': bge0:1:
could not set default interface for multicast: Invalid argument
zoneadm: zone 'my-zone': call to zoneadmd failed
```

Workaround: Repair at least one network interface in the group.

Intermittent Errors Might Occur With the Use of DataDigests (5108515)

Internet SCSI (iSCSI) targets might report cyclic redundancy check (CRC) errors if DataDigests are enabled. User applications that update input/output buffers after transmitting to the iSCSI initiator might cause a miscalculation of the CRC. When the target responds with a CRC error, the iSCSI Initiator retransmits the data with the correct DataDigest CRC. Data integrity is maintained. However, data transfer performance is affected. No error message is displayed.

Workaround: Do not use the DataDigest option.

Configuring Multiple Tunnels Between Two IP Nodes With Filtering Enabled Might Result in Packet Loss (4152864)

If you configure multiple IP tunnels between two IP nodes, and enable `ip_strict_dst_multihoming` or other IP filters, packet loss might result.

Workaround: Choose one of the following:

- First, configure a single tunnel between the two IP nodes. Add addresses to the tunnel by using the `ifconfig` command with the `addif` option.
- Do not enable `ip_strict_dst_multihoming` on tunnels between two IP nodes.

Security Issues

The following security issues applies to the Solaris 10 release.

KDC Daemons Fail to Start (6623803)

If Kerberos is configured to use the LDAP backend for the Kerberos database, `krb5kdc/kadmind` will fail to start when run through SMF. `krb5kdc/kadmind` will be in the maintenance state.

Workaround: Type the following command:

```
echo "something" >/var/krb5/principal
```

Note – Do not use this workaround unless the Kerberos LDAP database backend is being used. If the default db2 backend is being used, this workaround will destroy the Kerberos database.

Nonpassword Logins Fail With pam_ldap Enabled (6365896)

After the account management PAM module for LDAP (pam_ldap) is enabled, users must have passwords to log in to the system. Consequently, nonpassword-based logins fail, including those logins that use the following tools:

- Remote shell (rsh)
- Remote login (rlogin)
- Secure shell (ssh)

Workaround: None.

Incorrect Parameters Might Cause Panic in Sun StorEdge T3 (4319812)

A Sun StorEdge™ T3 system might panic if an application uses the HTTP interface to send tokens with out-of-range parameters.

Service Management Facility

This section describes issues that involve the Service Management Facility of Solaris 10 OS. For more information about this new feature in the Solaris OS, see “Solaris Service Manager” in *Solaris 10 What’s New*.

Login Prompts Sometimes Appear Before File Systems Are Mounted (5082164)

During system startups, sometimes the login services such as console or ssh logins start before remote file systems and naming services become available. Consequently, the user name might not be recognized or the user's home directory might not be available.

Workaround: If the error occurs, wait for a few seconds and then log in again. Alternatively, log in from a local account to view the system state.

Smart Card

The following Smart Card bugs apply to Solaris 10 OS.

System Does Not Respond to Smart Card (4415094)

If `ocfserv` terminates and the display is locked, the system remains locked even when a smart card is inserted or removed.

Workaround: Perform the following steps to unlock your system:

1. Perform a remote login to the machine on which the `ocfserv` process was terminated.
2. Become superuser.
3. Kill the `dtsession` process by typing the following in a terminal window.

```
# pkill dtsession
```

`ocfserv` restarts and smart card login and capability are restored.

Solaris Commands and Standards

The following section describes behavior changes in certain commands and standards in Solaris 10 OS.

Changed Man Pages for Solaris Trusted Extensions Are in Reference Manual Only

The following Solaris Trusted Extensions man pages are revised for this release:

- `add_allocatable(1M)`
- `remove_allocatable(1M)`
- `label_to_str(3TSOL)`
- `tsol_getrhtype(3TSOL)`
- `tnzonecfg(4)`

The revised man pages cannot be viewed using the `man` command. To view the revised man pages, see the *Solaris Trusted Extensions Reference Manual*.

Bash 2.0.5b No Longer Sets Some Environment Variables

Solaris 10 OS includes Bash 2.0.5b. This shell no longer automatically exports the following variables to the environment:

- HOSTNAME
- HOSTTYPE
- MACHTYPE
- OSTYPE

This new behavior applies even if the shell assigns default values to these variables.

Workaround: Export these variables manually.

New `ln` Utility Requires `-f` Option

The behavior of `/usr/bin/ln` has changed to adhere to all of the standards from SVID3 through XCU6. If you use the `ln` command without the `-f` option to link to an existing target file, the link is not established. Instead, a diagnostic message is written to standard error, and the command proceeds to link any remaining source files. Finally, the `ln` command exits with an error value.

For example, if file `b` exists, the syntax `ln a b` generates the following message:

```
ln: b: File exists
```

This behavior change affects existing shell scripts or programs that include the `ln` command without the `-f` option. Scripts that used to work might now fail in Solaris 10 OS.

Workaround: Use the `-f` option with the `ln` command. If you have existing scripts that execute the link utility, make sure to modify these scripts to comply with the command's new behavior.

New `tcsh` Rejects `setenv` Variable Names That Use a Dash or an Equals Sign

In Solaris 10 OS, `tcsh` has been upgraded to version 6.12. This version no longer accepts environment variables whose names use a dash or an equals sign. Scripts that contain `setenv` lines and that work in earlier Solaris versions might generate errors in the current Solaris 10 release. The following error message is displayed:

```
setenv: Syntax error
```

For more information, refer to the `tcsh` man page for the Solaris 10 OS.

Workaround: Do not use the dash or equals sign in names for environment variables.

STDIO `getc` Family EOF Condition Behavior Change

Applications that were built in strict standard C conformance mode are affected by the behavior changes of certain library functions. An example is applications that were compiled by using the `cc -Xc` or `c89` compilation mode. The behavior has changed for the following library functions:

- `fgetc()`
- `fgets()`
- `fgetwc()`
- `fgetws()`
- `getc()`
- `getchar()`
- `gets()`
- `getwc()`
- `getwchar()`
- `getws()`

A formal interpretation of the 1990 C Standard requires that after an end-of-file condition is set, no more data is returned from the file on subsequent input operations. The exception is if the file pointer is repositioned or the error and end-of-file flags are explicitly cleared by the application.

The behavior for all other compilation modes remains unchanged. Specifically, the interfaces can read additional newly written data from the stream after the end-of-file indicator has been set.

Workaround: Call `fseek()` or `clearerr()` on the stream to read additional data after the EOF condition has been reported on the stream.

Output Columns of the `ps` Command Have Been Widened

Due to larger UIDs, processor ids, and cumulative execution time, the columns of the `ps` command output have been widened. Customer scripts should not assume fixed output columns.

Workaround: Scripts should use the `-o` option of the `ps` command.

For more information, see the `ps(1)` man page.

Command `ping -v` Does Not Work on IPv6 Addresses (4984993)

The command `ping -v` fails when the command is applied to addresses that use Internet Protocol version 6 (IPv6). The following error message is displayed:

```
ping: setsockopt IPV6_RECVRTHDRDSTOPTS Invalid argument
```

Workaround: None. To obtain the same ICMP packet information that `ping -v` provides, use the `snoop` command.

Solaris Volume Manager

The following Solaris Volume Manager bugs apply to the Solaris 10 release.

Solaris Volume Manager `metattach` Command Might Fail

If you have a Solaris Volume Manager mirrored root (/) file system in which the file system does not start on cylinder 0, all submirrors you attach must also not start on cylinder 0.

If you attempt to attach a submirror starting on cylinder 0 to a mirror in which the original submirror does not start on cylinder 0, the following error message is displayed:

```
can't attach labeled submirror to an unlabeled mirror
```

Workaround: Choose one of the following workarounds:

- Ensure that both the root file system and the volume for the other submirror start on cylinder 0.
- Ensure that both the root file system and the volume for the other submirror do not start on cylinder 0.

Note – By default, the JumpStart installation process starts swap at cylinder 0 and the root (/) file system somewhere else on the disk. Common system administration practice is to start slice 0 at cylinder 0. Mirroring a default JumpStart installation with root on slice 0, but not cylinder 0, to a typical secondary disk with slice 0 that starts at cylinder 0, can cause problems. This mirroring results in an error message when you attempt to attach the second submirror. For more information about the default behavior of Solaris installation programs, see the Solaris 10 Installation Guides.

Solaris Volume Manager metassist Command Fails in Non-English Locales (5067097)

In non-English locales, the Solaris Volume Manager metassist command might fail to create volumes. For example, if LANG is set to ja (Japanese), the following error message is displayed:

```
xmlEncodeEntitiesReentrant : input not UTF-8
Syntax of value for attribute read on mirror is not valid
Value "XXXXXX"(unknown word) for attribute read on mirror
is not among the enumerated set
Syntax of value for attribute write on mirror is not valid
Value "XXXXXX"(Parallel in Japanese) for attribute write on mirror
is not among the enumerated set
metassist: XXXXXX(invalid in Japanese) volume-config
```

Workaround: As superuser, set the LANG variable to LANG=C.

For the Bourne, Korn, and Bash shells, use the following command:

```
# LANG=C; export LANG
```

For the C shell, use the following command:

```
# setenv LANG C
```

Volume Creation Fails in Systems With Unformatted Disks (5064066)

Creating Solaris Volume Manager volume configurations with the metassist command might fail if an unformatted disk is in the system. The following error message is displayed:

```
metassist: failed to repartition disk
```

Workaround: Manually format any unformatted disks before you issue the metassist command.

Hot Spares Do Not Work Correctly When Solaris Volume Manager RAID-1 (Mirror) or RAID-5 Volumes Are Created in Disk Sets Built on Soft Partitions (4981358)

If you create a Solaris Volume Manager RAID-1 (mirror) or RAID-5 volume in a disk set that is built on top of a soft partition, hot spare devices do not work correctly.

Problems that you might encounter include, but are not limited to, the following:

- A hot spare device might not activate.
- A hot spare device status might change, indicating the device is broken.
- A hot spare device is used, but resynced from the wrong drive.
- A hot spare device in use encounters a failure, but the broken status is not reported.

Workaround: Do not use this configuration to create a Solaris Volume Manager RAID-1 or RAID-5 volume in disk sets.

Solaris Volume Manager `metadevadm` Command Fails if Logical Device Name No Longer Exists (4645721)

You cannot replace a failed drive with a drive that has been configured with the Solaris Volume Manager software. The replacement drive must be new to Solaris Volume Manager software. If you physically move a disk from one slot to another slot on a Sun StorEdge A5x00, the `metadevadm` command fails. This failure occurs when the logical device name for the slice no longer exists. However, the device ID for the disk remains present in the metadvice replica. The following message is displayed:

```
Unnamed device detected. Please run 'devfsadm && metadevadm -r' to resolve.
```

Note – You can access the disk at the new location during this time. However, you might need to use the old logical device name to access the slice.

Workaround: Physically move the drive back to its original slot.

Solaris Volume Manager `metarecover` Command Fails to Update `metadb` Namespace (4645776)

If you remove and replace a physical disk from the system, and then use the `metarecover -p -d` command to write the appropriate soft partition specific information to the disk, an open failure results. The command does not update the metadevice database namespace to reflect the change in disk device identification. The condition causes an open failure for each such soft partition that is built on top of the disk. The following message is displayed:

Open Error

Workaround: Create a soft partition on the new disk instead of using the `metarecover` command to recover the soft partition.

Note – If the soft partition is part of a mirror or RAID 5, use the `metareplace` command without the `-e` option to replace the old soft partition with the new soft partition.

```
# metareplace dx mirror or RAID 5  
old_soft_partition new_soft_partition
```

Sun Java Desktop System

This section describes issues that apply to the Sun Java Desktop System (Java DS) in the Solaris 10 OS.

Email and Calendar

This section describes issues related to Email and Calendars.

Problems With Using Multiple Attachments (6260583)

If you drag and drop email messages to a new email message body, the content of the new email message is corrupted.

Workaround: To send multiple attachments, perform the following steps:

1. Select the messages you want to attach.
2. On the Menu bar, choose Action => Forward => Attached.

Alternatively, you can press Ctrl-J to send the messages.

Problem With Changing Authentication Type (6246543)

After you change the authentication type for the incoming mail server, Email and Calendar might not work correctly.

Workaround: Restart Email and Calendar.

Incomplete List of Contacts in Contact Folder (5088514)

After you import an LDAP Data Interchange Format file containing several contacts, only some of the contacts are displayed in your contact folder. This is a display problem only. Email and Calendar has imported all the contacts.

Workaround: Restart Email and Calendar.

Login Issues

This section describes login issues.

Login Error Message

You might encounter the following error message when you log in to a Java Desktop System session:

```
Could not look up internet address for hostname.  
This will prevent GNOME from operating correctly.  
It may be possible to correct the problem by adding  
hostname to the file /etc/hosts
```

Workaround: Ensure that your hostname is set up correctly in the `/etc/hosts` file. Perform the following steps:

1. Set the hostname in the `/etc/hosts` file as follows:

```
127.0.0.1 localhost loghost hostname  
localhost.localdomain
```

hostname is the name of your system.

2. Ensure that your hostname is listed in the `/etc/nodename` file. This file must also contain the following line:

```
127.0.0.1 localhost loghost hostname  
localhost.localdomain
```

Help System

Wrong Help Window Opened For Volume Control (6253210)

If you use the Yelp browser to open the online help for Volume Control, the help file for the Keyboard Accessibility panel application is opened instead.

Workaround: None.

Online Help Freezes (5090731)

If you open an application's online help and no help files exist for that application, an error dialog box is displayed. Unless you click OK, the online Help system freezes and you cannot open the online help of other applications that you start subsequently.

Workaround: You must click the OK button in the error dialog box.

Mozilla Browser

Cannot Print Certain Documents From the Mozilla Browser

You cannot print documents from the Mozilla browser if the documents contain Unicode characters that are not in the Basic Multilingual Plane (BMP).

Workaround: None.

System-Level Issues

User Preferences Not Fully Compatible

User preferences in your home account for an earlier version of the GNOME Desktop might be partly incompatible with the version on the Java DS Release 3.

Workaround: Reset your preferences. Perform the following steps:

1. Log out of the Java Desktop System.
2. Click Session and choose Failsafe terminal.
3. Log in.
4. In the failsafe terminal window, enter the following commands:

```
% gnome-cleanup exit
```

5. Log in again.

Your GNOME preferences are now reset.

Problems With Online Registration of StarOffice 7 Software (6208829)

You might be unable to complete the online registration of the StarOffice 7 software if the software cannot find Mozilla on the system. The software must be able to locate the Email and Calendar application to successfully send documents.

Workaround: Add `/usr/sfw/bin` to your PATH. Perform the following steps.

1. Open a terminal window.
2. Issue the following command:

```
% export PATH=/usr/sfw/bin:$PATH
```

3. To start the StarOffice software, issue the following command:

```
% soffice
```

4. Complete the StarOffice registration procedure.

Problems With Sound Recorder

The slide bar and the side counter do not work when the Sound Recorder is recording a new .wav file.

Workaround: None.

Nautilus ACL MASK is Not in Sync With Group Permissions (6464485)

The Group permissions in the Permissions tab should be the same as the Mask permissions in the Access Tab, but on some occasions they appear out of sync.

Workaround: Click the Close button, and then click Reload. View the file properties again. The Group permissions and the Mask permissions will now be in sync again. The permissions are set to what you changed the Mask to in the previous step.

strftime(3c) Should Support GNU Extension in %-m And %-d (6448815)

The Java DS menu bar and some applications, like Evolution, incorrectly display Chinese date. The incorrect date is displayed in the `%-m M %-d D` format where M and D are the month and date in Chinese respectively.

Workaround: Perform the following steps:

1. Backup the `/usr/share/locale/LC_MESSAGES/gnome-panel*.mo` file.
2. Download `gnome-panel.gnome-2-16.zh_CN.po` from http://l10n.gnome.org/POT/gnome-panel.gnome-2-16/gnome-panel.gnome-2-16.zh_CN.po and save it under the `/tmp` directory.
3. Edit the file `gnome-panel.gnome-2-16.zh_CN.po` and replace all occurrences of `%-m` with `%0m`, and `%-d` with `%e`.
4. Generate a new `gnome-panel.gnome-2-16.zh_CN.po` file.

```
msgfmt -v -o gnome-panel.gnome-2-16.zh_CN.mo /tmp/gnome-panel.gnome-2-16.zh_CN.po
```

Copy the file back to the `/usr/share/locale/LC_MESSAGES/` directory.

5. Log out of the system and re-login.

x86: Cannot Configure Full-Screen Magnification on Systems With One Video Card

If your Solaris 10 system has a single physical video card, you cannot configure the system for full-screen magnification. For such a configuration, you must use a separate configuration file in which you define settings for a dummy driver. First, make sure that the Xserver is not running. Then perform the following steps:

1. Log in to a command-line session.
 - If you are using the GNOME Display Manager, follow these steps:
 - a. Log in to a session as superuser.
 - b. At the prompt, type **`svcadm disable application/gdm2-login`**.
 - c. Log in again as superuser.
 - If you are using dtlogin, follow these steps:
 - a. In the dtlogin window, click Options and select Command Line Login.
 - b. Log in as superuser.
2. Create a new `xorg.conf` file.

```
# /usr/X11/bin/Xorg -configure
```

The command creates the file `xorg.conf.new` in the root (`/`) directory.

3. Copy the new configuration file to the `/etc/x11` directory and rename the file `xorg.conf`.

```
# cp /xorg.conf.new /etc/X11/xorg.conf
```

4. Modify the configurations in the file by using the following sample configurations:
 - Add a new monitor section.

```
Section "Monitor"
    Identifier      "monitor_dummy"
    ModelName       "dummy"
    HorizSync       10-200
    VertRefresh     20-90
EndSection
```

- Add a new device section.

```
Section "Device"
    BoardName       "dummy"
    Driver          "dummy"
    Identifier       "device_dummy"
    VendorName       "dummy"
    videoram        10000
EndSection
```

Note – You might need to adjust the `videoram` value, depending on the screen width, height, and color depth of your particular graphics card. The value in Kbytes must be large enough for the intended screen. For example, you can compute the value by using the formula $\text{width} * \text{height} * \text{bpp} / 8$.

- Add a new screen section.

```
Section "Screen"
    DefaultDepth    24
    SubSection "Display"
        Depth       24
        Modes        "1280x1024"
    EndSubSection
    Device           "device_dummy"
    Identifier       "screen_dummy"
    Monitor          "monitor_dummy"
EndSection
```

Note – You might need to adjust the resolution value for your particular system setup.

5. Look for the following line under the `ServerLayout` section:

```
Screen      0  "Screen0" 0 0
```

6. Insert the following line below the line in the previous step:

```
Screen      1  "screen_dummy" RightOf "Screen0"
```

This new line defines Screen1, a second dummy screen that is notionally to the right of Screen0, the physical and primary screen.

7. Save the changes.
8. Reboot the system from the appropriate command-line session:
 - If you are using GDM, perform the following:
 - a. Type **svcadm enable application/gdm2-login**.
 - b. Reboot the system.
 - If you are using dtlogin, reboot the system and log in.
9. Start the Gnopernicus screen reader.
10. Change the Startup Mode to Magnifier.
11. Click Preferences, then select Magnifier.
12. Click Add/Modify.
13. Assign the following values for Magnifier preferences:
 - For Source: 0.1
 - For Zoomer Placement:
 - Left and Top: 0
 - Bottom and Right: maximum
14. Click Apply.

Because of the overlaying full-screen magnification zoomer, the Gnopernicus windows become invisible. However, full-screen magnification is now available.

x86: Problems Configuring USB Mouse Device as Extension Device for Use With GNOME On-Screen Keyboard

You cannot set up a USB mouse device as an extension device with the GNOME On-Screen Keyboard (GOK). The configuration fails when you are setting up the USB mouse device while using a PS2 mouse device as the core pointer. To properly set up the USB mouse, follow these steps.

1. Log in as superuser.
2. While the USB mouse device is unplugged, type the following in a terminal window:

```
# ls -l /dev/usb/hid*
```

3. Connect the USB mouse and type the previous command again.
4. Record the path of the USB mouse that is displayed on the screen.
5. Log in to a command-line session.

- If you are using the GNOME Display Manager, follow these steps:
 - a. Log in to a session as superuser.
 - b. At the prompt, type **svcadm disable application/gdm2-login**.
 - c. Log in again as superuser.
 - If you are using dtlogin, follow these steps:
 - a. In the dtlogin window, click Options and select Command Line Login.
 - b. Log in as superuser.
6. Create a new `xorg.conf` file.

```
# /usr/X11/bin/Xorg -configure
```

The command creates the file `xorg.conf.new` in the root (`/`) directory.

7. Copy the new configuration file to the `/etc/x11` directory and rename the file `xorg.conf`.

```
# cp /xorg.conf.new /etc/X11/xorg.conf
```

8. Modify the configurations in the file:

- In the `ServerLayout` section, add an input device for `Mouse1` after the line `InputDevice "Mouse0" "CorePointer"`. See the following example:

```
InputDevice "Mouse0" "CorePointer"
InputDevice "Mouse1"
```

- In the `InputDevice` section that contains the line `Identifier "Mouse0"`, apply the following changes:
 - Change Option `"Device" "/dev/mouse"` to Option `"Device" "/dev/kdmouse"`.
 - Change Option `"Protocol" "auto"` to Option `"Protocol" "VUID"`.
 - Add the following new Option:

```
Option "StreamsModule" "vuid3ps2"
```

After you have applied the changes, the section should appear similar to the following example:

```
Section "InputDevice"
    Identifier "Mouse0"
    Driver "mouse"
    Option "Protocol" "VUID"
    Option "Device" "/dev/kdmouse"
    Option "StreamsModule" "vuid3ps2"
EndSection
```

- Create a new `InputDevice` section after the preceding `InputDevice` section:

```

Section "InputDevice"
    Identifier "Mouse1"
    Driver      "mouse"
    Option      "Device" "/dev/usb/hid1"
EndSection

```

Note – /dev/usb/hid1 is an example path for the USB mouse. Use the path in Step 4 to replace /dev/usb/hid1.

9. Save the file and exit.
10. Reboot the system from the appropriate command-line session:
 - If you are using GDM, perform the following:
 - a. Type **svcadm enable application/gdm2-login**.
 - b. Reboot the system.
 - If you are using dtlogin, reboot the system.
11. Log in to the accessible UI user's account.
12. Enable Assistive Technology Support by clicking Launch Menu => Preferences => Accessibility => Assistive Technology Support.
13. Log out of the system then log in to the accessible UI user's account again.
14. Open a terminal window and type the following command:


```
% /usr/sfw/bin/gok --select-action=switch1
```
15. In the GOK window, click GOK and select Preferences.
16. If necessary, set up GOK to the accessible UI user's needs. Otherwise, to accept the current setup, click Apply then click OK in the GOK Preferences window.
17. Exit GOK and then restart it by clicking Launch Menu => Applications => Accessibility => On-Screen Keyboard. The following warning message might be displayed:


```

The device you are using to control GOK is
also controlling the system pointer.

```
18. Click OK.
19. Exit GOK and then repeat steps 14-17.

The warning message is no longer displayed.

Certain View Options Might Cause File Manager to Fail (6233643)

The File Manager might fail if you use the following View options:

- View as Catalog
- View as Image Collection

Depending on the View options that you use, the following error messages might be displayed:

- Error:

`The application nautilus has quit unexpectedly`

- Error:

`The Catalog view encountered an error while starting up`

- Error:

`The Image Collection view encountered an error while starting up`

Workaround: None. Every time these problems occur, restart File Manager or click the Restart Application button on the crash dialog box.

Problems Creating Certain Types of Archives (5082008)

You cannot use Archive Manager to create the following types of archives:

- .arj
- .lha
- .bzip
- .lzop
- .zoo

Workaround: None.

System Administration

This section describes system administration bugs in Solaris 10 OS.

Cannot Log In to Solaris Management Console After Enabling Solaris Trusted Extensions (6639493)

The Solaris™ Management Console hangs and does not allow root login to the Solaris Management Console after enabling Solaris Trusted Extensions. The following error message might be displayed the Solaris Management Console hangs:

Configuring the Management Server...

Workaround: Perform the following steps:

1. Configure Solaris Trusted Extensions and start the Solaris Management Console.
2. Choose Open ToolBox from the Console menu.
3. Select localhost if it is listed.
4. If localhost is not listed, then type localhost.
5. Choose the Policy=TSOL toolbox.
6. Log in again to the Solaris Management Console as root.
7. (Optional) If the second login to the Solaris Management Console fails, repeat steps 1 through 5 by typing 127.0.0.1 instead of localhost in step 3.

zoneadm attach Command Might Fail (6550154)

When you attach a zone, if the original host and the new host have packages at the same patch level but at different intermediate patch histories, the zone attach might fail. Various error messages are displayed. The error message depends on the patch histories of the two hosts.

Workaround: Ensure that the original host and the new host machines have had the same sequence of patch versions applied for each patch.

Solaris is Unable to Handle Mode Switches Between Legacy and AHCI Modes for the SATA Controller (6520224)

In systems which have an AHCI compliant SATA controller, the BIOS setup typically enables the controller to be set in either AHCI, legacy, or RAID modes. Solaris supports AHCI and legacy modes.

The SATA mode setting in BIOS must not be changed after an initial Solaris installation. The SATA mode setting must also not be changed before or after a Solaris upgrade. If the SATA mode BIOS setting is modified after installing Solaris, the system will reset and fail to boot without indicating what led to the failure.

Workaround: If boot failure is encountered as a result of changing the BIOS setting, revert back to the original setting in order to boot Solaris.

Deferred Activation Patching (6486471)

Starting with patch 119254-42 and 119255-42, the patch installation utilities, `patchadd` and `patchrm`, have been modified to change the way that certain patches delivering new features or existing files that are incompatible with the running system are handled. This utilities modification affects the installation of these patches on any Solaris 10 release. These “deferred-activation” patches handle the large scope of change delivered in Kernel patches better.

In deferred Activation patching, a loopback file system, `lofs`, is used to create a copy of the root file system. The original files being patched are copied to a safe location and the `lofs` copy of the root file system is patched. Then the original file is `lofs` mounted back over the new file as it is patched. This means the running system remains consistent over the duration of patching, new features are not active and any incompatible change is hidden until the user reboots.

Users must reboot as soon as possible after applying a Deferred Activation Patch, but they do not have to reboot immediately, they can still add further patches then reboot.

The patch README provides instructions on which patches require a reboot.

Note – Sun strongly recommends that patch operations are carried out in a single-user mode, especially when this is recommended by the patch README.

If you are running non-global zones or have `lofs` disabled, consider the following points when installing or removing deferred-activation patches:

- All non-global zones must be in a halted state for this patch operation. You must halt the non-global zone before applying the patch.
- Deferred-activation patching requires the loopback file system, `lofs` in order to complete successfully. Systems running Sun Cluster 3.1 or Sun Cluster 3.2 are likely to have `lofs` turned off because of restrictions on HA-NFS functionality when `lofs` is enabled. Therefore, before a deferred-activation patch is installed, you must re-enable the loopback file system by performing the following steps.

1. Remove or comment out the following line in the `/etc/system` file:

```
exclude:lofs
```

2. Reboot your system.
3. Install the patch.
4. After you have completed the patch installation operation, restore or uncomment the same line from the `/etc/system` file.

5. Reboot the system to resume normal operations.

No error message is displayed.

Workaround: Sun recommends Solaris Live Upgrade to manage patching. Solaris Live Upgrade prevents the problems of patching a running system. Solaris Live Upgrade reduces the amount of downtime involved in patching and reduces risk by providing fallback capability if problems occur. For more information, see *Solaris 10 5/08 Installation Guide: Solaris Live Upgrade and Upgrade Planning*.

Possible Error With 32-bit Applications Getting File System State on Large File Systems (6468905)

When run on large file systems, for example ZFS, applications using `statvfs(2)` or `statfs(2)` to get information about the state of the file system exhibit an error. The following error message is displayed:

```
Value too large for defined data type
```

Workaround: Applications should use `statvfs64()` instead.

Using `patchadd` With the `-R` Option To Specify an Alternative Root Path From Systems That Are Not Zones Aware Should Be Restricted (6464969)

On systems running a Solaris release that is not zones aware, using `patchadd -R`, or any command that accepts the `-R` option to specify an alternate root path for a global zone that has non-global zones installed, will not work.

In contrast with the error message that is displayed by using the `luupgrade [-t, -T, -p, -P]` command, no error message regarding the use of appropriate command-level restrictions is displayed in this instance.

There is no indication that the `-R` option did not work. As a result of the failure of the command, Solaris 10 packages or patches are not installed on any of the installed non-global zones.

This problem occurs while installing and uninstalling packages or patches.

Note – The -R option works if the alternate boot environment has configured non-global zones, but no installed non-global zones. However, to avoid a potential problem, or if you are not sure whether there are any installed non-global zones used as the alternate root path, restrict the use of the -R option in all instances.

For more information, see the following man pages :

- patchadd(1M)
- patchrm(1M)
- pkgadd(1M)
- pkgrm(1M)

Workaround 1: Upgrade the OS to at least the Solaris 10 1/06 release.

If you are running the Solaris 10 3/05 release, install the following patches to enable the use of commands that accept the -R option to create an alternate root path:

- Patch ID 119254-19 for SPARC based systems
- Patch ID 119255-19 for x86 based systems

Workaround 2: Restrict the use of the patchadd -R command or any command that accepts the -R option to create an alternate root path.

Instead, boot the alternate root, for example, the Solaris 10 release, as the active OS. Then install and uninstall the Solaris 10 packages and patches without using the -R option.

Sun Patch Manager Tool 2.0 Not Compatible With Previous Versions

A system that runs the Sun Patch Manager Tool 2.0 can manage remote systems that run Patch Manager Tool, including Sun Patch Manager Tool 1.0.

However, a system with an earlier version of Patch Manager Tool cannot manage remote systems that run Patch Manager Tool 2.0. Earlier versions include the following:

- Sun Patch Manager Base Software 1.x
- Sun Patch Manager Tool 1.0

Note – Common Information Model/Web Based Enterprise Management (CIM/WBEM) support for Patch Manager Tool does not exist in the Solaris 8 OS. Consequently, remote management with Patch Manager does not apply to Solaris 8 systems.

Cannot Delete Existing Diskless Clients From the System (6205746)

If you use the `smdiskless` command to delete a diskless client, the command fails. The diskless client is not removed from the system databases. The following error message is displayed:

Failing with error EXM_BMS.

Workaround: Unshare the `/export` partition before adding the client.

SPARC: smosservice delete Command Does Not Successfully Remove All Directories (6192105)

If you use the `smosservice delete` command to remove a diskless client service, the command does not successfully remove all the service directories.

Workaround: Follow these steps.

1. Make sure that no clients exist that use the service.

```
# unshare /export/exec/Solaris_10_sparc.all
# rm -rf /export/exec/Solaris_10_sparc.all
# rm -rf /export/exec/.copyofSolaris_10_sparc.all
# rm -rf /export/.copyofSolaris_10
# rm -rf /export/Solaris_10
# rm -rf /export/share
# rm -rf /export/root/templates/Solaris_10
# rm -rf /export/root/clone/Solaris_10
# rm -rf /tftpboot/inetboot.sun4u.Solaris_10
```

2. Remove the following entry from the `/etc/bootparams` file.

```
fs1-24 boottype=:os
```

Note – Remove this entry only if this file server does not provide functions or resources for any other services.

3. Remove the following entry from the `/etc/dfs/dfstab` file.

```
share -F nfs -o ro /export/exec/Solaris_8_sparc.all/usr
```

4. Modify the `/var/sadm/system/admin/services/Solaris_10` file.

- If the file server is not `Solaris_10`, delete the file.

- If the file server is Solaris_10, remove all entries after the first three lines. The deleted lines indicate the service USR_PATH and SPOOLED ROOT packages in /export/root/templates/Solaris_10 and the supported platforms.

kill -HUP Does Not Always Cause the Agent to Reread the snmpd.conf Configuration File (4988483)

After modifying the contents of `snmpd.conf`, you can issue the command `kill -HUP snmp Process ID`. This command stops the `snmp` process. The command then sends a signal to the System Management Agent's master agent (`snmpd`) to reread `snmpd.conf` and implement the modifications that you introduced. The command might not always cause the master agent to reread the configuration file. Consequently, using the command might not always activate modifications in the configuration file.

Instead of using `kill -HUP`, restart the System Management Agent after adding modifications to `snmpd.conf`. Perform the following steps:

1. Become superuser.
2. Type the following command:

```
# /etc/init.d/init.sma restart
```

x86: Pressing the F4 Key During BIOS Bootup Fails to Boot the Service Partition (4782757, 5051157)

You are booting a Sun LX50 which has a Service partition and Solaris 10 OS on x86 is installed. Pressing the F4 function key to boot the Service partition, when given the option, causes the screen to go blank. The system then fails to boot the Service partition.

Workaround: Do not press the F4 key when the BIOS Bootup Screen is displayed. After a time-out period, the Current Disk Partition Information screen is displayed. Select the number in the Part# column that corresponds to type=DIAGNOSTIC. Press the Return key. The system boots the Service partition.

Some com.sun Application Programming Interface Method Invocations Fail Under XML/HTTP Transport Protocol (4497393, 4497399, 4497406, 4497411)

If you choose to use the `com.sun` application programming interface rather than the `javax` application programming interface to develop your WBEM software, only Common

Information Model (CIM) remote method invocation (RMI) is fully supported. Other protocols, such as XML/HTTP, are not guaranteed to work completely with the `com.sun` application programming interface.

The following table lists examples of invocations that execute successfully under RMI but fail under XML/HTTP:

Method Invocation	Error Message
<code>CIMClient.close()</code>	<code>NullPointerException</code>
<code>CIMClient.execQuery()</code>	<code>CIM_ERR_QUERY_LANGUAGE_NOT_SUPPORTED</code>
<code>CIMClient.getInstance()</code>	<code>CIM_ERR_FAILED</code>
<code>CIMClient.invokeMethod()</code>	<code>XMLERROR: ClassCastException</code>

System-Specific Issues

This chapter describes issues specific to Sun midrange and high-end servers. Current Sun servers are part of the Sun Fire system family. Older servers are part of the Sun Enterprise system family.

Note – The Sun Validation Test Suite release notes are now a separate document and can be found at <http://sun.com>.

Note – Some of the issues and bugs in this chapter have been fixed in subsequent Solaris 10 releases. If you have upgraded your Solaris software, certain issues and bugs in this chapter might no longer apply. To see which bugs and issues no longer apply to your specific Solaris 10 software, refer to [Appendix A, “Table of Integrated Bug Fixes in the Solaris 10 Operating System.”](#)

Dynamic Reconfiguration on Sun Fire High-End Systems

This section describes major domain-side DR bugs on the following Sun Fire high-end systems that run the Solaris 10 software:

- Sun Fire 25K
- Sun Fire 20K
- Sun Fire 15K
- Sun Fire 12K

For information about DR bugs on Sun Management Services, see the *SMS Release Notes* for the SMS version that is running on your system.

Note – This information applies only to DR as it runs on the servers listed in this section. For information about DR on other servers, see the Release Notes or Product Notes documents or sections that describe those servers.

Known Software and Hardware Bugs

The following software and hardware bugs apply to Sun Fire high-end systems.

Deleteboard Shows Leakage Error (4730142)

Warnings might be displayed when a DR command is executing on a system that is configured with the SunSwift PCI card, Option 1032. These warnings appear on domains that are running either the Solaris 8, Solaris 9, or Solaris 10 software. The following warning is an example:

```
Aug 12 12:27:41 machine genunix: WARNING:
vmem_destroy('pcisch2_dvma'): leaked
```

These warnings are benign. The Direct Virtual Memory Access (DVMA) space is properly refreshed during the DR operation. No true kernel memory leak occurs.

Workaround: To prevent the warning from being displayed, add the following line to `/etc/system`:

```
set pcisch:pci_preserve_iommu_tsb=0
```

GigaSwift Ethernet MMF Link Fails With CISCO 4003 Switch After DR Attach

The link fails between a system with a Sun GigaSwift Ethernet MMF Option X1151A and certain CISCO switches. The failure occurs when you attempt to run a DR operation on such a system that is attached to one of the following switches:

- CISCO WS-c4003 switch (f/w: WS-C4003 Software, Version NmpSW: 4.4(1))
- CISCO WS-c4003 switch (f/w: WS-C4003 Software, Version NmpSW: 7.1(2))
- CISCO WS-c5500 switch (f/w: WS-C5500 Software, Version McpSW: 4.2(1) and NmpSW: 4.2(1))

This problem is not seen on a CISCO 6509 switch.

Workaround: Use another switch. Alternatively, you can consult Cisco for a patch for the listed switches.

Dynamic Reconfiguration on Sun Fire Midrange Systems

This section describes major issues that are related to DR on the following Sun Fire midrange systems:

- Sun Fire E6900
- Sun Fire E4900
- Sun Fire E6800
- Sun Fire E4810
- Sun Fire E4800
- Sun Fire E3800

Note – This information applies only to DR as it runs on the servers listed in this section. For information about DR on other servers, see the Release Notes or Product Notes documents or sections that describe those servers.

Minimum System Controller Firmware

Table 3–1 shows acceptable combinations of Solaris software and System Controller (SC) firmware for each Sun Fire midrange system to run DR.

Note – To best utilize the latest firmware features and bug fixes, run the most recent SC firmware on your Sun Fire midrange system. For the latest patch information, see <http://sunsolve.sun.com>.

TABLE 3–1 Minimum SC Firmware for Each Platform and Solaris Release

Platform	Solaris Release	Minimum SC Firmware
Sun Fire E6900/E4900 with UltraSPARC IV+	Solaris 10 3/05 HW1 (a limited release) or Solaris 10 1/06	5.19.0
E6900/E4900 without UltraSPARC IV+	Solaris 9 4/04	5.16.0
Sun Fire 6800/4810/4800/3800	Solaris 9 4/04	5.16.0
Sun Fire 6800/4810/4800/3800	Solaris 9	5.13.0

You can upgrade the system firmware for your Sun Fire midrange system by connecting to an FTP or HTTP server where the firmware images are stored. For more information, refer to the README and Install.info files. These files are included in the firmware releases that are running on your domains. You can download Sun patches from <http://sunsolve.sun.com>.

Known DR Software Bugs

This section lists important DR bugs.

Network Device Removal Fails When a Program Is Holding the Device Open (5054195)

If a process is holding open a network device, any DR operation that would involve that device fails. Daemons and processes that hold reference counts stop DR operations from completing.

Workaround: As superuser, perform the following steps:

1. Remove or rename the `/rplboot` directory.
2. Shut down NFS services.

```
# sh /etc/init.d/nfs.server stop
```

3. Shut down Boot Server services.

```
# sh /etc/init.d/boot.server stop
```

4. Perform the DR detach operation.
5. Restart NFS services.

```
# sh /etc/init.d/nfs.server start
```

6. Restart Boot Server services.

```
# sh /etc/init.d/boot.server start
```

Cannot Unconfigure cPCI Board With a Disabled Port 0 (4798990)

On Sun Fire midrange systems, a CompactPCI (cPCI) I/O board cannot be unconfigured when Port 0 (P0) on that board is disabled. This problem exists in Solaris 10 and Solaris 9 software. It also exists in Solaris 8 software that has one or more of the following patches installed:

- Patch ID 108528–11 through 108528–29
- Patch ID 111372–02 through 111372–04

The error also occurs only during DR operations that involve cPCI boards. An error message similar to the following example is displayed:

```
# cfgadm -c unconfigure N0.IB7
cfgadm: Hardware specific failure: unconfigure N0.IB7: Device
busy:/ssm@0,0/pci@1b,700000/pci@1
```

N0.IB7 is a CompactPCI I/O Board with P0 disabled.

Workaround: Disable the slots instead of Port 0.

Sun Enterprise 10000 Release Notes

This section describes issues that involve the following features on the Sun Enterprise 10000 server:

- System Service Processor requirement
- Dynamic reconfiguration (DR)
- InterDomain Networks (IDNs)
- Solaris Operating System on Sun Enterprise 10000 domains

Note – The Solaris 10 software can be run on individual domains within a Sun Enterprise 10000 system. However, the Sun Enterprise 10000 System Service Processor is not supported by this release.

System Service Processor Requirement

The SSP 3.5 software is required on your System Service Processor (SSP) to support the Solaris 10 software. Install the SSP 3.5 on your SSP first. Then you can install or upgrade to the Solaris 10 OS on a Sun Enterprise 10000 domain.

The SSP 3.5 software is also required so that the domain can be properly configured for DR Model 3.0.

Dynamic Reconfiguration Issues

This section describes different issues that involve dynamic reconfiguration on Sun Enterprise 10000 domains.

DR Model 3.0

You must use DR 3.0 on Sun Enterprise 10000 domains that run the Solaris OS beginning with the Solaris 9 12/03 release. DR model 3.0 refers to the functionality that uses the following commands on the SSP to perform domain DR operations:

- `addboard`
- `moveboard`
- `deleteboard`
- `showdevices`
- `rcfgadm`

You can run the `cfgadm` command on domains to obtain board status information. DR model 3.0 also interfaces with the Reconfiguration Coordination Manager (RCM) to coordinate the DR operations with other applications that are running on a domain.

For details about DR model 3.0, refer to the *Sun Enterprise 10000 Dynamic Reconfiguration User Guide*.

DR and Bound User Processes

For this Solaris release, DR no longer automatically unbinds user processes from CPUs that are being detached. You must perform this operation before initiating a detach sequence. The drain operation fails if CPUs are found with bound processes.

Network Device Removal Fails When a Program Is Holding the Device Open (5054195)

If a process is holding open a network device, any DR operation that would involve that device fails. Daemons and processes that hold reference counts stop DR operations from completing.

Workaround: As superuser, perform the following steps:

1. Remove or rename the `/rplboot` directory.
2. Shut down NFS services.

```
# sh /etc/init.d/nfs.server stop
```

3. Shut down Boot Server services.

```
# sh /etc/init.d/boot.server stop
```

4. Perform the DR detach operation.
5. Restart NFS services.

```
# sh /etc/init.d/nfs.server start
```

6. Restart Boot Server services.

```
# sh /etc/init.d/boot.server start
```

InterDomain Networks

For a domain to become part of an InterDomain Network, all boards with active memory in that domain must have at least one active CPU.

OpenBoot PROM Variables

Before you issue the `boot net` command from the OpenBoot PROM prompt (0K), verify that the `local-mac-address?` variable is set to `false`. This setting is the factory default setting. If the variable is set to `true`, you must ensure that this value is an appropriate local configuration.



Caution – A `local-mac-address?` that is set to `true` might prevent the domain from successfully booting over the network.

In a `netcon` window, you can use the following command at the OpenBoot PROM prompt to display the values of the OpenBoot PROM variables:

```
OK printenv
```

To reset the `local-mac-address?` variable to the default setting, use the `setenv` command:

```
OK setenv local-mac-address? false
```

Dynamic Reconfiguration on Sun Enterprise Midrange Systems

This section contains the latest information about dynamic reconfiguration (DR) functionality for the following midrange servers that are running the Solaris 10 software:

- Sun Enterprise 6x00
- Sun Enterprise 5x00
- Sun Enterprise 4x00
- Sun Enterprise 3x00

For more information about Sun Enterprise Server Dynamic Reconfiguration, refer to the *Dynamic Reconfiguration User's Guide for Sun Enterprise 3x00/4x00/5x00/6x00 Systems*. The Solaris 10 release includes support for all CPU/memory boards and most I/O boards in the systems that are mentioned in the preceding list.

Supported Hardware

Before proceeding, make sure that the system supports dynamic reconfiguration. If your system is of an older design, the following message appears on your console or in your console logs. Such a system is not suitable for dynamic reconfiguration.

```
Hot Plug not supported in this system
```

The following I/O boards are not currently supported:

- Type 2 (graphics)
- Type 3 (PCI)
- Type 5 (graphics and SOC+)

Software Notes

This section provides general software information about DR.

Enabling Dynamic Reconfiguration

To enable dynamic reconfiguration, you must set two variables in the `/etc/system` file. You must also set an additional variable to enable the removal of CPU/memory boards. Perform the following steps:

1. Log in as superuser.
2. Edit the `/etc/system` file by adding the following lines:

```
set pln:pln_enable_detach_suspend=1
set soc:soc_enable_detach_suspend=1
```

3. To enable the removal of a CPU/memory board, add this line to the file:

```
set kernel_cage_enable=1
```

Setting this variable enables the memory unconfiguration operation.

4. Reboot the system to apply the changes.

Quiesce Test

You start the quiesce test with the following command:

```
# cfgadm -x quiesce-test sysctrl0:slot number
```

On a large system, the quiesce test might run for up to a minute. During this time no messages are displayed if `cfgadm` does not find incompatible drivers.

Disabled Board List

Attempting to connect a board that is on the disabled board list might produce an error message:

```
# cfgadm -c connect sysctrl0:slotnumber
```

```
cfgadm: Hardware specific failure: connect failed:
board is disabled: must override with [-f][-o enable-at-boot]
```

To override the disabled condition, two options are available:

- Using the force flag (-f)

```
# cfgadm -f -c connect sysctrl0:slot number
```

- Using the enable option (-o enable-at-boot)

```
# cfgadm -o enable-at-boot -c connect sysctrl0:slot
number
```

To remove all boards from the disabled board list, choose one of two options depending on the prompt from which you issue the command:

- From the superuser prompt, type:

```
# eeprom disabled-board-list=
```

- From the OpenBoot PROM prompt, type:

```
OK set-default disabled-board-list
```

For further information about the disabled-board-list setting, refer to the “Specific NVRAM Variables” section in the *Platform Notes: Sun Enterprise 3x00, 4x00, 5x00, and 6x00 Systems* manual. This manual is part of the documentation set in this release.

Disabled Memory List

Information about the OpenBoot PROM disabled-memory-list setting is published in this release. See “Specific NVRAM Variables” in the *Platform Notes: Sun Enterprise 3x00, 4x00, 5x00, and 6x00 Systems* in the Solaris on Sun Hardware documentation.

Unloading Detach-Unsafe Drivers

If you need to unload detach-unsafe drivers, use the `modinfo` line command to find the module IDs of the drivers. You can then use the module IDs in the `modunload` command to unload detach-unsafe drivers.

Self-Test Failure During a Connect Sequence

Remove the board from the system as soon as possible if the following error message is displayed during a DR connect sequence:

```
cfgadm: Hardware specific failure: connect failed: firmware operation error
```

The board has failed self-test, and removing the board avoids possible reconfiguration errors that can occur during the next reboot.

The failed self-test status does not allow further operations. Therefore, if you want to retry the failed operation immediately, you must first remove and then reinsert the board.

Known Bugs

The following list is subject to change at any time.

Network Device Removal Fails When a Program Is Holding the Device Open (5054195)

If a process is holding open a network device, any DR operation that would involve that device fails. Daemons and processes that hold reference counts stop DR operations from completing.

Workaround: As superuser, perform the following steps:

1. Remove or rename the `/rplboot` directory.
2. Shut down NFS services.

```
# sh /etc/init.d/nfs.server stop
```

3. Shut down Boot Server services.

```
# sh /etc/init.d/boot.server stop
```

4. Perform the DR detach operation.
5. Restart NFS services.

```
# sh /etc/init.d/nfs.server start
```

6. Restart Boot Server services.

```
# sh /etc/init.d/boot.server start
```

cfgadm Disconnect Fails When Running Concurrent cfgadm Commands (4220105)

If a `cfgadm` process is running on one board, an attempt to simultaneously disconnect a second board fails. The following error message is displayed:

```
cfgadm: Hardware specific failure:  
disconnect failed: nexus error during detach: address
```

Workaround: Run only one `cfgadm` operation at a time. Allow a `cfgadm` operation that is running on one board to finish before you start a `cfgadm` disconnect operation on a second board.

End-of-Software Support Statements

This chapter lists end-of-software support statements.

Note – The Solaris 10 OS media kit contains not only the Solaris 10 OS software, but also an extensive set of bonus software. The information provided on <http://www.sun.com/service/serviceplans/solaris/10/> lists the components of the Solaris 10 OS media kit. It also shows the support provided for these components under the SunSpectrum program and Sun Software Support contracts.

Features That Might Be Removed in a Future Release

The following features might not be supported in a future release of the Solaris software.

`genlayouttbl` Utility

The `genlayouttbl(1)` utility which provides complex text layout data to the CDE/Motif GUI toolkit might not be available in a future release.

Mobile IP

The Mobile IPv4 feature described in the `mipagent(1M)` man page, might not be available in a future Solaris release.

Gnopernicus

Gnopernicus, the Java DS Screen Reader might not be available in a future Solaris release. Users should use the Orca Screen Reader instead.

Xsun Server

The Xsun server for the X Window System might not be available in a future Solaris release. Users should migrate to the Xorg server.

Features such as Display Postscript (DPS) and X Image Extension (XIE) that are available in Xsun but not in Xorg might no longer be included.

Common Desktop Environment

The Common Desktop Environment (CDE) might not be available in a future Solaris release. Users should migrate to the Java Desktop System.

CDE Image Viewer

CDE's Image Viewer `sdtimage` might not be available in a future Solaris release. Users should migrate to GNOME Open `gnome-open`, to open image files.

Sun Java System Calendar Server Client Applet

The Sun Java System Calendar Server client applet, `Now applet`, might not be available in a future Solaris release.

DARPA Trivial Name Server

The DARPA trivial name server, `in.tnamed(1M)`, might not be available in a future Solaris release. The Internet domain name server `named(1M)` provides similar functionality.

I2O Intelligent I/O

The I2O intelligent I/O driver framework and all corresponding drivers might not be supported in a future Solaris release. This includes the `i2o_bs(7D)`, and `i2o_scsi(7D)` drivers and all I2O related functionality.

GNOME Viewer for PDF and PostScript Files

The GNOME viewer for PDF and PostScript™ files, might not be available in a future Solaris release. A replacement application is expected to enable viewing of PDF and PostScript files.

The Graphical Smartcard Admin Interface

The graphical Smartcard admin interface `sdtsmartcardadmin(1M)` may not be available in future Solaris releases. The same functionality is available in the `smartcard(1M)` command.

iButton Smartcard

The Dallas Semiconductor iButton Java Card Smartcard and OpenCard Framework (OCF) terminal driver, as described in `ocf_ibutton(7d)` might not be supported in future Solaris releases. Users should migrate to other Smartcard devices that are supported by `libpcsc-lite(3lib)`.

Cyberflex Smartcard

The Cyberflex Smartcard might not be supported by the `pam_smartcard(5)` and `smartcard(1m)` commands in future Solaris releases. Users should migrate to other Smartcard devices and cards that are supported by `libpcsc-lite(3lib)`.

PAM Smartcard

The PAM Smartcard module `pam_smartcard(5)` might not be available in future Solaris releases.

OCF/SCF Smartcard Framework

The OCF/SCF Smartcard framework may not be available in a future Solaris releases. The functionality of `ocfserv(1M)` will be provided by `pcscd(1M)`. The card provisioning functionality of `smartcard(1M)` will be provided by `muscletool(1M)`. The driver configuration functionality provided by `smartcard(1M)` is generally not necessary with `pcscd(1M)`, however, when required system administrators can edit the `reader.conf(4)` file.

SCF Smartcard APIs

The SmartCard Framework (SCF) interfaces exported by `libsmartcard` and `smartcard.jar` may not be available in future Solaris releases. These interfaces are now obsolete. New C applications should be written to use the PS/SC interfaces exported from `libpcsc-lite(3lib)`. There is no planned replacement for the SCF Java interfaces at this time.

Remote Program Load Server Functionality

The Remote Program Load (RPL) server functionality available through `rpld(1M)` and `rpld.conf(4)` may not be available in a future release of Solaris.

Transition From `ipge` to `e1000g` NIC Driver as the Default Ethernet Driver for Sun4V Systems

The `ipge` driver and all its `SUNWipge` packages for Sun4V systems might not be available in a future release of Solaris. Starting with the Solaris 10 8/07 release, Ontario and other SPARC based platforms transition from `ipge` to `e1000g` drivers. The `e1000g` driver will be the default Ethernet driver for all Sun platforms that use Intel 1G chipsets.

Solstice Enterprise Agents Support

The following Solstice Enterprise Agents™ (SEA) agents, libraries, and packages might not be supported in a future Solaris release:

- SEA-based SNMP master agent and sub agents
- `libssagent` and `libssasnmp` libraries
- `SUNWsacom`, `SUNWsasnm`, `SUNWmibii` packages

The System Management Agent (SMA) provides similar functionality for the aforementioned sources.

Mozilla 1.X Support

The Mozilla™ 1.X software might not be supported in a future Solaris release. Equivalent software is expected to be available in a future release.

32-bit x86: Extended Memory File System Support

The extended memory file system (`xmemfs`) might not be supported in a future Solaris release.

For more information, see the `xmemfs(7FS)` man page.

Standard Type Services Framework Support

Standard Type Service Framework (STSF) might not be available in a future Solaris release.

This includes the following:

- `libST` and `libXst` libraries
- `xstls` command
- `stfsloader` service
- XST extension to Xsun and Xorg servers

You can find this functionality in one of the following alternative sources:

- `libX11`
- `libXft2`

SPARC: jfca Driver Support

The JNI Fibre Channel Adapter (`jfca`) driver might not be available in a future Solaris release.

For more information, see the `jfca(7D)` man page.

zic -s Option Support

The `-s` option in the `zic` command might not be available in a future Solaris release.

For more information, see the `zic(1M)` man page.

Removable Volume Management Support

The volume management daemon (`vold`), volume management file system (`volfs`), and the associated volume management commands might not be included in a future Solaris release.

Automatic mounting and unmounting of removable media will continue to be supported.

For more information, see the `vold(1M)` and `volfs(7FS)` man pages.

32-bit x86: Controller Devices and Drivers

The following devices might not be supported in a future Solaris release:

- IBM PC ServeRAID SCSI
- IBM ServeRAID II Ultra SCSI

- IBM ServeRAID-3 Ultra2 SCSI

In addition, device drivers written for these controllers might not be supported.

64-bit SPARC: Dual Basic Rate ISDN Interface and Multimedia Codec Chips

T5900FC Dual Basic Rate ISDN Interface (DBRI) and associated multimedia codec chips might not be supported in a future Solaris release. In addition, device drivers written for these devices might not be supported.

SPARC: Certain Drivers Might Not be Supported in a Future Solaris Release

The following drivers might not be supported in a future Solaris release:

- SUNWrtvc: Device driver for the SunVideo™ real-time video capture and compression card
- SUNWdial: Streams module for the Dials and Buttons devices
- SUNWdialh: Header files for the Dials and Buttons devices

Automated Security Enhancement Tool Support

The checksum functionality provided by Automated Security Enhancement Tool (ASET) in the `/usr/aset` directory might not be available in a future Solaris release.

You can find this functionality in one of the following alternative sources:

- The basic audit reporting tool, `bart`, in Solaris 10 OS
- The Solaris Security Toolkit found at <http://www.sun.com/software/security/jass/>
- The Solaris Fingerprint Database found at <http://sunsolve.sun.com/pub-cgi/show.pl?target=content/content7>

Asian Short `dtlogin` Names

The following Asian short locale names might not be listed in the `dtlogin` language list in a future release:

- `zh`
- `ko`
- `zh_TW`

Beginning with Solaris 8 release, new ISO-standard locale names have been provided, including the following locale names:

- `zh_CN.EUC`
- `zh_CN.GBK`
- `zh_CN.UTF-8`
- `ko_KR.EUC`
- `ko_KR.UTF-8`
- `zh_TW.EUC`

Audit Daemon Interfaces

The following interfaces that are used by the Solaris audit daemon might not be supported in a future release:

- `auditsvc(2)`
- `audit_data(4)`

Cfront Runtime Support Library

The library `libc.so.3` is the runtime support library for programs that are compiled by the Cfront C++ compiler C++ 3.0. Neither the compiler nor programs that are created by the compiler run on Solaris 10 OS. The library might not be supported in a future release of Solaris.

Configuration Assistant's fp Plug-in Hardware Options

The following options of the configuration administration's (`cfgadm`) fp plug-in might not be supported in a future Solaris release:

- `show_FCP_dev`
- `unusable_FCP_dev`

Device Allocation Interfaces For the Basic Security Module

The following components of the device allocation mechanism of the Basic Security Module might not be included in a future release of the Solaris software:

- `mkdevalloc(1M)`
- `mkdevmaps(1M)`
- `/etc/security/dev`

Obsolete Device Driver Interfaces

Some device driver interfaces (DDI) might not be supported in a future release.

The following table lists the DDI interfaces that might not be supported, along with the preferred DDI interface alternatives.

Obsolete Interface	Preferred Interface
mmap	devmap
identify	set to nulldev
copyin	ddi_copyin
copyout	ddi_copyout
ddi_dma_addr_setup	ddi_dma_addr_bind_handle
ddi_dma_buf_setup(9F)	ddi_dma_buf_bind_handle
ddi_dma_curwin	ddi_dma_getwin
ddi_dma_free	ddi_dma_free_handle
ddi_dma_htoc	ddi_dma_addr[buf]_bind-handle
ddi_dma_movwin	ddi_dma_getwin
ddi_dma_nextseg	ddi_dma_nextcookie
ddi_dma_nextwin	ddi_dma_nextcookie
ddi_dma_segtocookie	ddi_dma_nextcookie
ddi_dma_setup	ddi_dma_*_handle
ddi_dmae_getlim	ddi_dmae_getattr
ddi_getlongprop	ddi_prop_lookup
ddi_getlongprop_buf	ddi_prop_lookup
ddi_getprop	ddi_prop_get_in
ddi_getproplen	ddi_prop_lookup
ddi_iopb_alloc	ddi_dma_mem_alloc
ddi_iopb_free	ddi_dma_mem_free
ddi_mem_alloc	ddi_dma_mem_alloc
ddi_mem_free	ddi_dma_mem_free

Obsolete Interface	Preferred Interface
<code>ddi_map_regs</code>	<code>ddi_regs_map_setup</code>
<code>ddi_prop_create</code>	<code>ddi_prop_update</code>
<code>ddi_prop_modify</code>	<code>ddi_prop_update</code>
<code>ddi_segmap</code>	see <code>devmap</code>
<code>ddi_segmap_setup</code>	<code>devmap_setup</code>
<code>ddi_unmap_regs</code>	<code>ddi_regs_map_free</code>
<code>free_pktiopb</code>	<code>scsi_free_consistent_buf</code>
<code>get_pktiopb</code>	<code>scsi_alloc_consistent_buf</code>
<code>makecom_g0</code>	<code>scsi_setup_cdb</code>
<code>makecom_g0_s</code>	<code>scsi_setup_cdb</code>
<code>makecom_g1</code>	<code>scsi_setup_cdb</code>
<code>makecom_g5</code>	<code>scsi_setup_cdb</code>
<code>scsi_dmafree</code>	<code>scsi_destroy_pkt</code>
<code>scsi_dmaget</code>	<code>scsi_init_pkt</code>
<code>scsi_pktalloc</code>	<code>scsi_init_pkt</code>
<code>scsi_pktfree</code>	<code>scsi_destroy_pkt</code>
<code>scsi_resalloc</code>	<code>scsi_init_pkt</code>
<code>scsi_resfree</code>	<code>scsi_destroy_pkt</code>
<code>scsi_slave</code>	<code>scsi_probe</code>
<code>scsi_unslave</code>	<code>scsi_unprobe</code>
<code>ddi_peek{c,s,l,d}</code>	<code>ddi_peek{8,16,32,64}</code>
<code>ddi_poke{c,s,l,d}</code>	<code>ddi_poke{8,16,32,64}</code>
<code>in{b,w,l}</code>	<code>ddi_get{8,16,32}</code>
<code>out{b,w,l}</code>	<code>ddi_put{8,16,32}</code>
<code>repins{b,w,l}</code>	<code>ddi_rep_get{8,16,32}</code>
<code>repouts{b,w,l}</code>	<code>ddi_rep_put{8,16,32}</code>

Device Management Entries in `power.conf`

The Device Management entries in the `power.conf` file might not be supported in a future release. Similar capability is provided by the Automatic Device Power Management entries in the Solaris 10 software.

For more information, see the `power.conf(4)` man page.

Device Support and Driver Software

The following table lists devices and driver software that might not be supported in a future release.

TABLE 4-1 Device and Driver Software

Name of Physical Device	Name of Driver	Type of Card
AMI MegaRAID host bus adapter, first generation	mega	SCSI RAID
Compaq 53C8x5 PCI SCSI, and Compaq 53C876 PCI SCSI	cpqncr	SCSI HBA
Compaq SMART-2/P Array Controller and Compaq SMART-2SL Array Controller	smartii	SCSI RAID controller

Form and Menu Language Interpreter

The Form and Menu Language Interpreter (FMLI) commands are obsolete and might not be supported in a future Solaris release. The obsolete commands include the following:

- `/usr/bin/fmli`
- `/usr/bin/vsig`

Host Files in `/etc/net/ti*`

The host files in `/etc/net/ti*` are no longer consulted in the Solaris Operating System, though these files remain in the Solaris software. In a future Solaris release, these host files might be entirely removed.

Java 2 Platform, Standard Edition 1.4

Java 2 Platform, Standard Edition (J2SE Platform) 1.4 might not be included in a future Solaris release. J2SE 5.0 software, the default Java version in the Solaris 10 OS, is a compatible replacement for J2SE 1.4 technology.

Kerberos Ticket Lifetime Parameters in `krb5.conf`

The Kerberos Ticket Lifetime parameters, `max_life` and `max_renewable_life`, might no longer be supported in a future release of the Solaris OS. These parameters are in the `appdefaults` section of the `/etc/krb5/krb5.conf` file. Instead of these parameters, use `max_lifetime` and `renew_lifetime` in the `libdefaults` section of `/etc/krb5/krb5.conf`.

Korean CID Fonts

Korean CID fonts will not be supported in a future release. You can use the Korean TrueType fonts that are included in the Solaris software as a replacement for Korean CID fonts.

Legacy or Traditional Non-UTF-8 Locales

Sun is adopting Unicode for character encoding. Therefore, except for `zh_CN.GB18030` and C locales, non-UTF-8 locales might be removed as the Java Desktop System login locale in a future Solaris release.

Functions in the CPU Performance Counters Library (`libcpc`)

Hardware performance counters enable the measurement of many different hardware events that are related to CPU behavior. The following functions in the CPU Performance Counters library (`libcpc`) might not be supported in a future Solaris OS release:

<code>cpc_access</code>	<code>cpc_bind_event</code>
<code>cpc_count_sys_events</code>	<code>cpc_count_usr_events</code>
<code>cpc_event_accum</code>	<code>cpc_event_diff</code>
<code>cpc_eventtostr</code>	<code>cpc_getcciname</code>
<code>cpc_getcpuref</code>	<code>cpc_getcpuver</code>
<code>cpc_getnpic</code>	<code>cpc_getusage</code>
<code>cpc_pctx_bind_event</code>	<code>cpc_pctx_invalidate</code>
<code>cpc_pctx_rele</code>	<code>cpc_pctx_take_sample</code>
<code>cpc_rele</code>	<code>cpc_seterrfn</code>

cpc_shared_bind_event	cpc_shared_close
cpc_shared_open	cpc_shared_rele
cpc_shared_take_sample	cpc_strtoevent
cpc_take_sample	cpc_version
cpc_walk_names	

New functions have been added to the library in Solaris 10 OS. Developers who have code that utilizes the interfaces in the preceding list should instead use the following corresponding new functions:

cpc_open	cpc_close
cpc_set_create	cpc_set_destroy
cpc_set_add_request	cpc_set_request_preset
cpc_buf_create	cpc_buf_destroy
cpc_bind_curlwp	cpc_bind_pctx
cpc_bind_cpu	cpc_unbind
cpc_set_sample	cpc_buf_sub
cpc_buf_add	cpc_buf_copy
cpc_buf_zero	cpc_buf_get
cpc_buf_set	cpc_buf_hrttime
cpc_buf_tick	cpc_walk_requests
cpc_walk_events_all	cpc_walk_events_pic
cpc_walk_attr	cpc_enable
cpc_disable	cpc_caps
cpc_npics	cpc_cpupref
cpc_cciname	cpc_seterrhdlr

See the `cpc(3CPC)` man page for details.

libXinput Library

The `libXinput.so.0` library might not be provided in a future release of the Solaris software. The `libXinput.so.0` library was provided for backward compatibility with X11R4 applications that were built by using the draft standard X Input API of Solaris 2.1 and Solaris 2.2. The X11 standard X Input Extension library, `libXi`, was integrated in Solaris 2.3.

All applications that rely on the `libXi` API should be built by using the `libXi` shared library for future compatibility and standards conformance.

Network Information Service Plus (NIS+) Name Service Type

NIS+ might not be supported in a future release. Tools to aid in the migration from NIS+ to LDAP are available in the Solaris 9 software. For more information, visit <http://www.sun.com/directory/nisplus/transition.html>.

nstest Test Program

The `nstest` is an interactive DNS test program to construct and send DNS queries. This program might no longer be supported in a future Solaris OS release. The same functionality that is provided by this test program is available by using the `dig` and `nslookup` commands.

Perl Version 5.6.1

Perl version 5.6.1 might not be supported in a future Solaris OS release. Perl version 5.8.4, the default version in the Solaris 10 OS, is not binary compatible with Perl version 5.6.1. However, the earlier version is still retained in this Solaris release. Customized modules that are installed by the customer must be rebuilt and reinstalled to use Perl version 5.8.4. Modify any scripts that require the use of version 5.6.1 to specifically use version 5.6.1 of the interpreter instead of version 5.8.4. The interpreters of the respective Perl versions are located in the following directories:

Perl 5.6.1 `/usr/perl5/5.6.1/bin/perl`

Perl 5.8.4 `/bin/perl, /usr/bin/perl, or /usr/perl5/bin/perl`

Solaris Management Console Patch Tool (Patch Manager)

The Solaris Management Console patch tool, Patch Manager, might not be available in a future release.

Solstice Enterprise Agents

Solstice Enterprise Agents might not be supported in a future release.

Standalone Router Discovery

The `/usr/sbin/in.rdisc` implementation of the IPv4 ICMP Router Discovery protocol might not be supported in a future release of the Solaris software. A near-equivalent version of this protocol, which is implemented as a component of `/usr/sbin/in.routed`, supports an enhanced administrative interface. The `/usr/sbin/in.routed` component supports the implementation of Routing Information Protocol (RIP) version 2. The `/usr/sbin/in.routed` component also has the ability to distinguish Mobile IP advertisements from Router Discovery messages.

Sun Fire Link Interfaces

The Sun Fire Link Interfaces might no longer be supported in a future Solaris release.

Sun Java Desktop System Applications

The following applications in the Java DS, Release 3, might be removed from a future release.

- Sun Java Calendar Preview
- GNOME Keyboard Layout Switcher
- Java DS Diagram Editor
- Java DS Java Text Editor
- Java DS Java Dictionary
- Java DS Disk Analyzer
- Java DS Mr. Project

Token Ring and Fiber Distributed Data Interface Device Types

Support for token ring (DL_TPR) and Fiber Distributed Data Interface (FDDI) device types in generic LAN driver (GLD) might be removed in a future Solaris release. After the removal is implemented, drivers for token ring or FDDI that rely on this support in GLD cease to function. However, other drivers or applications that do not use this support are not affected. To test whether a driver relies on GLD, run the following script:

```
#!/bin/sh
#
# Test a driver binary for use of GLD
#
for file
do
    /usr/ccs/bin/nm $file | /bin/awk '
    /\|gld_register$/      { isgld=1; }
    END {
        if (isgld)
            print file, "uses GLD";
        else
            print file, "does not use GLD";
        }' file=$file
done
```

For more information about generic LAN driver, see the `gld(7D)` man page as well as “Writing Device Drivers”.

WBEM-based Dynamic Reconfiguration

The feature known as WDR - Web-Based Enterprise Management Dynamic Reconfiguration - might not be supported in a future release of the Solaris Operating System. WDR is currently supported on Sun Fire midrange and high-end systems.

XIL Interface

The XIL™ interface might not be supported in a future release. An application that uses XIL causes the following warning message to be displayed:

```
WARNING: XIL OBSOLESCENCE
This application uses the Solaris XIL interface
which has been declared obsolete and may not be
```

present in version of Solaris beyond Solaris 9.
Please notify your application supplier.
The message can be suppressed by setting the environment variable
"_XIL_SUPPRESS_OBSOLETE_MSG".

xetops Utility

The xetops utility might not be supported in a future release. The xetops utility converts an Asian text file to a PostScript file. This conversion enables Asian characters to be printed on PostScript printers that do not have resident Asian fonts.

Similar capability is provided in the mp command, which has been enhanced to support all of the native Asian encodings with more options and functionality.

x86: Xsun DDX Modules, Library, and Related Files

Certain DDX modules for Xsun might be removed from a future Solaris release. These modules are used when you configure the Xsun X server on the kdmconfig screen, Video Device Selection, by selecting an entry that is not prefixed with "XF86." The files affected by this notice include the following:

- Files in the /usr/openwin/server/modules directory whose names do not have the ddxSUNWxf86 prefix
- The /usr/openwin/server/lib/libaccel.so.1 library
- Files with the .xga suffix under the /usr/openwin/share/etc/devdata/SUNWaccel/boards directory

Sun recommends that for your preferred X server, use the Xorg X server whose DDX modules provide comparable functionality to the Xsun X server. However, if you use the Xsun X server, you can still use the XFree86 DDX modules. These are modules with the prefix ddxSUNWxf86 and whose entries in the kdmconfig screen, Video Device Selection, begin with "XF86." These modules provide comparable functionality to the Xsun DDX modules that might be removed.

Documentation Issues

This chapter describes known issues that are related to documentation.

Solaris ZFS Administration Guide

The description of the `compression` property in Table ZFS Native Property Descriptions under Managing ZFS File Systems is incorrect:

Controls the compression algorithm used for this dataset. Currently, you can select `lzjb`, `gzip`, or `gzip-N`. Enabling compression on a file system with existing data only compresses new data. Existing data remains uncompressed. This property can also be referred to by its shortened column name, `compress`.

The description should now read as follows:

Enables or disables compression for this dataset. The values are `on`, `off`, and `lzjb`. Currently, setting this property to the `lzjb` algorithm has the same effect as setting this property to `on`. The default value is `off`. Enabling compression on a file system with existing data only compresses new data. Existing data remains uncompressed. This property can also be referred to by its shortened column name, `compress`.

System Administration Guide: IP Services

The title of the procedure to ensure unique MAC addresses is SPARC: How to Ensure That the MAC Address of an Interface Is Unique, in Solaris 10 3/05 ONLY . This procedure applies to all Solaris 10 Update releases and so the title should read as SPARC: How to Ensure That the MAC Address of an Interface Is Unique.

System Administration Guide: Naming and Directory Services (NIS+)

Starting with the Solaris 10 8/07 release, the Solaris OS does not have two separate hosts files. The `/etc/inet/hosts` file is now a single hosts file that contains both IPv4 and IPv6 entries. You need not maintain IPv4 entries in two hosts files that always require synchronization. For backward compatibility, the `/etc/inet/ipnodes` file is replaced with a symbolic link of the same name to the `/etc/inet/hosts` file. For more information, see the `hosts(4)` man page. NIS clients and servers can communicate using either IPv4 or IPv6 RPC transports.

Discontinuation of Swedish Documentation

Starting with the Solaris 10 8/07 release, documents will not be translated into Swedish. For all the latest information, see the English documents on <http://docs.sun.com/>.

Application Server Documentation Refers to Derby Database Instead of Java DB

Application Server documentation refers to the Java DB database as “Derby.” Replace all references to “Derby” with Java DB. The database is installed to `/usr/appserver/javadb`.

Documents on the Software Supplement CD

Beginning with Solaris 10 Operating System, the Supplement CD no longer exists. The documents that were formerly supplied on the Supplement CD can now be found at <http://docs.sun.com>. The rest of the CD's contents reside elsewhere in the Solaris kit or on Sun Microsystems' web site.

System Administration Guide: Basic Administration

This section describes corrections to specific chapters in the System Administration Guide: Basic Administration.

Note – Beginning with the Solaris 10 1/06 release, this section no longer applies to the Solaris documentation.

Managing Diskless Clients (Tasks)

In Step 4 of “How to Add a Diskless Client,” the command to verify whether a diskless client has been added should read as follows:

4. Verify that the diskless clients were installed.

```
# /usr/sadm/bin/smdiskless list -H host-name:898 --
```

Solaris 10 Start Here and Solaris 10 Installation Guides

Note – Beginning with the Solaris 10 1/06 release, this section no longer applies to the Solaris documentation.

The Solaris 10 Start Here and Solaris 10 Installation Guides incorrectly indicate that Sun Java Enterprise System is installed by default in the Solaris 10 release. To install Sun Java Enterprise System with the Solaris 10 OS, you must perform a custom installation.

The following documents incorrectly state that Sun Java Enterprise System is installed by default during a Solaris 10 installation.

Solaris 10 Installation Guide: Basic Installations

- Planning for a Solaris Installation From CD or DVD Media (Tasks) — Checklist for Installation
- Installing With the Solaris Installation Program (Tasks)
 - Step 9 of SPARC: To Install or Upgrade With the Solaris Installation Program
 - Step 17 of x86: To Install or Upgrade With the Solaris Installation Program

Solaris 10 Installation Guide: Network-Based Installations

- Solaris Installation and Upgrade (Roadmap) — Task Map: Installing or Upgrading the Solaris Software
- Gathering Information Before Installation or Upgrade (Planning)
 - Checklist for Installation
 - Checklist for Upgrading

Solaris 10 Installation Guide: Solaris Live Upgrade and Upgrade Planning

- Solaris Installation and Upgrade (Roadmap) — Task Map: Installing or Upgrading the Solaris Software
- Gathering Information Before Installation or Upgrade (Planning) — Checklist for Upgrading

Solaris 10 Installation Guide: Custom JumpStart and Advanced Installations

See Solaris Installation and Upgrade (Roadmap) — Task Map: Installing or Upgrading the Solaris Software.

Solaris 10 Start Here

See Install the Solaris 10 OS.

Solaris 10 Documentation and Man Pages

The company S2io has changed its name to Neterion. All references to S2io in the Solaris 10 documentation and man pages should read Neterion.

What's New in Solaris 10 5/08

This section describes new features and enhancements in the Solaris 10 5/08 release. For a complete list of features in this release, see *Solaris 10 What's New*.

x86: PowerNow! Support for AMD Family 10h Processors

This device management enhancement is new in the Solaris 10 5/08 release.

This feature introduces support for AMD's PowerNow! technology into Solaris for AMD Family 10h Processors. This support will enable Solaris administrators to manage the power consumption of their AMD processors by lowering the processor frequency during idle periods.

For more information on how to enable Solaris CPU power management, see `power.conf(4)`.

Table of Integrated Bug Fixes in the Solaris 10 Operating System

The tables in this appendix list bugs in these Release Notes that have been fixed in the Solaris 10 OS. For bugs that no longer apply to your Solaris 10 OS, refer to the table that corresponds to the specific release that you are using.

Note – The tables are only partial lists. Other fixed bugs in the operating system that were not previously documented in the Release Notes are excluded from these tables. For a complete list, refer to the Solaris 10 Operating System Patch List. The Patch List identifies bugs that have been fixed by specific patches that were applied to the current release. The list includes bugs that have not been documented in the Release Notes.

Fixed and Integrated Bugs

TABLE A-1 Bugs Fixed in the Solaris 10 OS Software

CR Number	Title
6579866	Trusted Administrative Roles Other Than Root Not Authorized to Connect to the X Window Server
6579845	Trusted \$HOME Ownership Incorrect When Administrative Role Created
6571030	Unsupported Options in the <code>ddi_dma_mem_alloc(9F)</code> Man Page
6565136	Release Notes Do Not Display in Thunderbird Help
6564548	Trusted CDE Screen Lock Logs Out the User
6558400	SAN 4.4.13 Emulex Error With Patch 119914-12
6554915	<code>iscsi tgt</code> Double Frees on Target Creation With an Alias

TABLE A-1 Bugs Fixed in the Solaris 10 OS Software (Continued)

CR Number	Title
6550104	Trusted Java DS Workspace Does Not Start on Initial Change of Label
6546892	Cannot Switch Roles on Trusted Java DS
6495454	Trusted Stripe Crashes When Users Change Roles
6494427	Locales Problem After Upgrading a System With Non-Global Zones Installed
6486416	Secure Attention Key or Hot Key Does Not Work on x86 Systems
6483258	Failed Unconfigure Command <code>cfgadm</code> Might Succeed Later Without Notice
6481697	Auxilliary Window Fails to Open With Asian And Wnn Input Methods
6478436	Solaris Trusted Extensions Administration Tools Display Incorrect Labels
6471594	Solaris Management Console Updates the <code>tnrhd</code> File But Does Not Run <code>tnctl</code> to Update the Trusted Host Cache
6467756	Some Compose Key Inputs Do Not Work on GTK Applications
6466526	Upgrade to Solaris 10 11/06 or Changing Specific Device Configurations Might Break PCI/PCIe Hotplug Administration
6463842	Japanese 106 keyboard Cannot Be Set Through <code>kdmconfig</code>
6463576	<code>Arabic6.kt</code> Keytable Does Not Contain Arabic Symbols
6462945	Mouse Pointer and the <code>dtfile</code> Icon Are Not Displayed When You Drag the <code>dtfile</code> Icon
6460106	Uninstallation of Solaris Trusted Extensions Fails
6456888	<code>zpool</code> Scrubbing Leads to Memory Exhaustion and a System Hang
6454140	Zones With an <code>fs</code> Resource Defined With a Type of <code>lofs</code> Cannot Be Upgraded to Solaris 10 11/06
6452077	DR: <code>cfgadm -c configure</code> Command Fails on Slot of Starcat and Silverstone
6447833	Solaris Management Console CLI Commands Do Not Process the Solaris Trusted Extensions Options
6444457, 6444791	Upgrade of System With Zones Installed Fails
6438372	Input Method Switcher Does Not Work in Trusted Java DS Environment
6437617	Zone Creation Error With <code>SUNWgnome-a11y-libs-share</code>
6432114	Cannot Login Using GDM Unless Clearance is Set to <code>admin_high</code>
6429880	Deadkeys Not Working With GTK Applications on Xsun in EMEA UTF-8 Locales
6429860	Adding ZFS Patch Solaris 10 11/06 System Causes Spurious Warning Messages

TABLE A-1 Bugs Fixed in the Solaris 10 OS Software *(Continued)*

CR Number	Title
6428334	qlc.conf Configuration File Not Updated While Upgrading to Solaris 10 11/06 Release
6421471	Memory Leaks with ECC and RSA Cipher Suites
6421275	Upgrade From Solaris 10 to Solaris 10 11/06 Gives SMF Errors on Reboot and Contains Solaris Package Issues That Might Impact Patching
6421216	ufsrestore Does Not Use acl_set() For Setting ACLs
6414648	Overlapping Devices Might be Added to a ZFS Storage Pool
6411690	Installing a Solaris Flash Archive Causes Sun4v System to Hang
6397893	Creating a Solaris Flash Archive Fails When the End User Solaris Software Group is Installed
6397251	SVM Upgrade Fails From Solaris 9 9/05 OS to Solaris 10 11/06 or to Solaris Express
6388988	IIIMF Packages Might Not be Installed
6387317	Keycode 50 Does Not Work for European Keyboard Layouts
6379955	Solaris Not Sending a PRLI to Tape Device
6378956	smosservice or smdiskless Is Broken Due to wbem Issues
6377485	iSCSI Initiator Does Not Handle LUN Address Reporting Properly
6377106	Java Problem Prevents Accessibility Environment for Speech From Setting Up Correctly
6372197	After Installing the OS with a Solaris Flash Archive, Problem With Displaying Console
6371273	LUN Numbers Greater Than 256 Are Treated Differently by 2-Gbyte and 4-Gbyte QLogic HBAs
6363449	BIOS Hangs on Reboot After Using ZFS on Sun Ultra 20 or Sun Fire X2100
6363365	Upgrade Hangs on Sun Blade 1500 Workstations
6363262	Numerous Mozilla Menu Entries Are Garbled in the Russian Locale
6361672	Locale Problem Occurs After You Upgrade a System That Contains Zones
6358227	Postinstallation Problems With Whole Root Zone, Diskless Client, and Solaris Live Upgrade
6351923	Time Settings Might Cause Key Combinations to Fail to Start Assistive Technologies in the Sun Java Desktop System
6350869	Generic LAN Driver Version 3 Fails to Set Field Length of Logical Link Control Frames
6350819	Problem With Choosing a Terminal Type When Installing Solaris 10 1/06 Software
6350486	Adding Regions Fails With the localeadm Command

TABLE A-1 Bugs Fixed in the Solaris 10 OS Software (Continued)

CR Number	Title
6348316	Systems With Multiple CPUs Might Hang During Installation or System Boot
6347707	Problems With dbx Debugger While Processing 64-bit Objects
6346843	Bulgarian Locale Uses Russian Character Map
6346204	Undetected Write Errors in NFSv4 Client With Full File System
6340714	Launch Menu Cannot Be Opened With Ctrl-Esc
6340509	Custom JumpStart Profile Test Fails With Locale Keyword
6336069	Error Occurs When You Upgrade a Solaris Live Upgrade Boot Environment With CD or DVD Media
6334517	Problems With dtlogin When Using UTF-8 Locales
6330840	x86: Removal of Agilent Fibre Channel HBA Driver Package Fails When Upgrading to Solaris 10 8/07 Release
6329929	Problems Configuring Preferences With the GNOME On-Screen Keyboard
6329642	Loadkeys Warnings Appear When System Is Booted From Solaris OS DVD
6319383	Some Language Input Does Not Work Correctly on Non-U.S. Keyboard Layouts
6316245	Wrong MAC Address is Displayed When There is More Than One Ethernet Card
6314583	Serbian Locale Uses Russian Character Map
6303564	SUNWceuow Package Improperly Upgraded if Symbolic Links to Solaris OS Are Changed
6301627	Reinitializing Link on a Server in a Storage Area Network Causes Logical Unit Number on All Servers to Reset
6300863	Solaris Install Launcher Exiting Causes Reboots
6288488	du Reports Wrong Size Information on RAID-Z
6278039	GNOME Applications Fail With dtremote
6277164	Resolving Issues With the GNOME Display Manager
6273030	Full-Screen Magnification and Keyboard Accessibility Features Not Working
6267922	Outdated List of Allowed Applications for Solaris OS
6263122	Upgrade Option Unavailable if the Root (/) File System Is a RAID-1 Volume (Mirror)
6247943	\$PATH issues
6245563	Problems When Using Keyboard Indicator
6241052	Patchadd Fails When Installing Patches From the UpgradePatches Directory

TABLE A-1 Bugs Fixed in the Solaris 10 OS Software *(Continued)*

CR Number	Title
6227666	CD Quality, Lossless Mode Fails at Start of Recording
6222925	Installation Fails When You Install Solaris Flash Archive on Empty Boot Environment With Solaris Live Upgrade
6221374	svccfg import Subcommand Does Not Refresh Dependent Services
6215527	Login Process Might Hang in Certain Asian Non-UTF-8 Locales
6219932	Compose Key Sequences Might Not Work When You Use X Keyboard Extension in Some Locales
6219176	pat chadd Fails to Reapply Patches to Newly Installed Packages
6218158	Java Error Messages Are Displayed After a Solaris 10 OS Installation
6216195	Non-Global Zones Created After Patching Global Zones Are Not Accessible by Remote Login Services
6215847	Solaris 10 Installation Disc Ejects When You Install the Solaris Flash Archive
6215739	Solaris GUI Installation Program Fails If You Configure Nonprimary Interface and Enable DHCP
6214222	Resolving Issues With AccessKeyMouseListeners
6211279	Desktop Icons Invisible on Second Desktop System
6209619	Using USB 2.0 Hubs With USB 1.x Devices Might Cause System Panic
6209566	GNU Image Manipulation Program Missing From the Graphics Menu
6209092	kdmconfig Program Runs Twice After Initial Installation
6208656	Solaris Installation GUI Might Fail When You Install Solaris Flash Archive
6205881	kdmconfig Instructions to Configure Xorg X Server Are Incomplete
6204987	EHCI Driver Unusable in Certain Motherboards
6204976	Problems When Saving Attachments With Localized Content
6203727	Remote Connection Problems
6203680	Using FireWire-1394 Storage Devices Might Cause System Panic
6203010, 5105006	Cannot Delete Files Outside of Home Directory
6200999	Cannot Specify User Preferences for Roaming Access in Mozilla Browser
6200924	Pausing USB Audio Devices During Play or Record Operation Might Cause System Deadlock
6197548	Net Connect 3.1.1 Installation Fails

TABLE A-1 Bugs Fixed in the Solaris 10 OS Software (Continued)

CR Number	Title
6192644	Keyboard Shortcuts Fail
6192995	Default C Library Might Cause Boot Failure When You Install Solaris Flash Archives
6189823	localeadm -l Does Not List Installed Korean Locale Packages
6188748	patchadd Command Does Not Support Installing Patches From an NFS Server
6178669	Program That Configures Keyboard, Display, and Mouse Not Working for X Server
6173972	Some Keyboard Keys Not Functioning With Num Lock Key On
5106987	lucreate Command Does Not Create RAID-1 Volumes
5100134	Print Services Have Offline Settings by Default
5090222	SPARC: GigaSwift Fast and Gigabit Ethernet Devices With Revision IDs Lower Than 32 Might Cause System Panic
5087588	Installation Logs Might Be Incomplete or Inaccurate
5084183	keyserv Daemon Disables Some File System Services
5077933	Devices Not Immediately Available in Fabric Zones in a Storage Area Network
5077631	Special Keyboard Keys Do Not Work
5062026	SPARC: Panics That Occur During Suspend and Resume Cycles Might Cause the System to Hang
5062018	Systems With Active Kernel Debugger Might Panic During Suspend/Resume Cycles
5043369, 4873161	Soft System-Shutdown is Not Supported in Solaris OS on x86
5042573	Some UTF-8 Locales Are Unavailable in the Common Desktop Environment Login Service
5042195	Only Part of the Disk Is Usable by fdisk or format Commands
5040248	Using the ipfs Command With -w Option Fails
5030842	Some Systems With USB 2.0 Hardware Might Hang or Panic
5027771	X Server Unable to Open Mouse Device in Sun LX50 Servers
5002175	Solaris 10 OS Installation Program Might Not Display Special Case Panels Properly
5001908	Using Two Adaptec SCSI Card 39320D Cards on a Sun Fire V65x Server Might Cause the System to Panic
4996542	Modifier Keys Do Not Function Correctly
4992478	Permissions for Mount Points Not Preserved in Created Boot Environment

TABLE A-1 Bugs Fixed in the Solaris 10 OS Software (Continued)

CR Number	Title
4977300	Chinese and Korean Characters Are Printed In a Box
4937266	Cannot Type Multibyte Characters in Text Editor 2.9.1
4915974	Solstice DiskSuite Configurations Not Converted to Solaris Volume Manager Format When You Upgrade With Solaris Live Upgrade
4720192, 6215918	/dev and /devices/pseudo Permissions Set Incorrectly After Installation
4704046	Error Messages Might Be Seen When Installing Solaris By Using a Network Image
4640568	Systems With Multiple Interfaces Recognize All Interfaces as Usable After Installation or Upgrade
4506562	Solaris Bandwidth Manager Sometimes Causes System Panic During DR Operations
4441469	RTM_IFINFO Message Has Different Sizes on 32-bit and 64-bit Compilations
2136811	Need Itinerary so That Interrupted scrub or resilver Doesn't Have to Restart
Issue	Volume Control Option Not Working
Issue	NFS Version 4 Introduces New Prompt at First System Boot
Issue	StarOffice Patch Application Requires Additional Steps
Issue	Support for Intel Integrated i810 and i815 Graphics Chipsets
Issue	Error or Warning Messages Might Be Displayed While Installing Non-global Zones With the zoneadm Command
Issue	Sun Remote Services Net Connect Supported Only in the Global Zone
Issue	Login Screen Marks UTF-8 Locales as Recommended

Solaris 10 Operating System Patch List

The patches that are listed in this appendix have been applied to the Solaris 10 Operating System in one of the following ways:

- **SolStart**
These patches are located in the `/var/sadm/patch` directory on an installed system.
- **Freshbits technology**
These patches were applied when the Solaris 10 OS was created. Therefore, these patches are not located in the `/var/sadm/patch` directory.

The `showrev -p` command provides a list of all patches that were applied to the installed system, regardless of how they were applied. The Solaris 10 software includes a known and tested level of patches. However, patches cannot be backed out of the Solaris 10 release.

Note – The Solaris 10 5/08 software contains script patches which do not deliver bug fixes or new features, but deliver changes that are required as a result of issues with the creation of the update image. As a result, script patches are not made available for customers, because they are not required outside of creating the Update release

SPARC Patch List

- **124337-01 – SunOS 5.10: FUJITSU PCI Fibre Channel Driver 3.0 miniroot patch**

6474425

- **117465-02 – SunOS 5.10: fwtmp Patch**

6180974

- **118367-04 – SunOS 5.10: csh Patch**

6209912 6230795 6282038 6307905 6311438 6314637 6336149

■ 118566-01 – SunOS 5.10: patch usr/sbin/ping

6222209

■ 118666-15 – JavaSE 5.0: update 14 patch (equivalent to JDK 5.0u14)

4743558 5053708 5088563 6206527 6219364 6236727 6265713 6314370 6321689 6354969 6358629
6373274 6418433 6431847 6447412 6454676 6457444 6464451 6465756 6467921 6469580 6476329
6480378 6483402 6484661 6490921 6494472 6494722 6502051 6502568 6503510 6512054 6515362
6518816 6519085 6520101 6520665 6522028 6525425 6528763 6530198 6531255 6531591 6531593
6534678 6536120 6538601 6542420 6543815 6543940 6545719 6546278 6547501 6553303 6554586
6555628 6556044 6557713 6558100 6560218 6562716 6565138 6570062 6570259 6571205 6572147
6576321 6577717 6578895 6579208 6579743 6585239 6586045 6587875 6593729 6594813 6599750
6601686 6611886 6609269 6585736 6595137 5036554 6190373 6191896 6206442 6300533 6316313
6317248 6331483 6358747 6381526 6394747 6395346 6398636 6401956 6405138 6405147 6406822
6415321 6418004 6419112 6433689 6448717 6448787 6449486 6449933 6456276 6457066 6463096
6464051 6464154 6466058 6469606 6469663 6471418 6473331 6480497 6481955 6485605 6486626
6487334 6487916 6489165 6490384 6490560 6493637 6493989 6495123 6495720 6496144 6497526
6504460 6515688 4052517 4225362 4494727 4753347 4879507 5036146 6216340 6297094 6311411
6321453 6347873 6353972 6370080 6379214 6386647 6395737 6396844 6401137 6404972 6405311
6414459 6415062 6416988 6418035 6424564 6428590 6432397 6432667 6434840 6446855 6450945
6451451 6454444 6459676 6460501 6461827 6467152 6468516 6470111 6471004 6472335 6472714
6473485 6475032 6475157 6480566 6481177 6484462 6485516 6486607 6487381 6487931 6488119
6491364 6491714 6492173 6495567 6496224 6496958 6497154 6498661 6500174 6500302 6500903
6501186 6502189 6502317 6502780 6511568 6518092 6519527 6520670 6523518 6523707 6524112
6525690 6526421 6530336 6539661 6541843 6542335 6542419 6557659 4744057 4818488 4855795
5008498 5076772 5082374 6186524 6189161 6220825 6231529 6264013 6267625 6291992 6293795
6304817 6306218 6306625 6307570 6315235 6318302 6323299 6323688 6328467 6330315 6332120
6333613 6339493 6350066 6354718 6358532 6359106 6359434 6369448 6369510 6374321 6374419
6382144 6382788 6386537 6388456 6395581 6396586 6396591 6396594 6399321 6401952 6404388
6405538 6406801 6406821 6407414 6409194 6409286 6411322 6412288 6417341 6417395 6419145
6420226 6420685 6421297 6423370 6424631 6425120 6425203 6427025 6432517 6433293 6433335
6434117 6434214 6437047 6438259 6438812 6439651 6440479 6440724 6440819 6440823 6440854
6441368 6445579 6447404 6448190 6449565 6451717 6453743 6459113 6459739 6460113 6460627
6462407 6463501 6464934 6465377 6466876 6468053 6471081 6475580 6477533 6479208 6480532
6490436 6497264 6504322 6349010 6406864 6418117 6458152 6465104 6469222 6469263 6475078
6475088 6475094 6476703 4368790 4626557 4653090 4699981 4778281 4842599 4916620 4977599
4994629 4994705 5002251 5030922 5038724 5062728 5070991 5074577 5075953 5085647 5091224
5092263 5097531 5098176 5100422 5105922 5106661 6173560 6176051 6181157 6193212 6195047
6213540 6220110 6226610 6227961 6228529 6229114 6231517 6253746 6259542 6263446 6265533
6266735 6272221 6282072 6298694 6300358 6305029 6311320 6318850 6319603 6322825 6322847
6323123 6325535 6328000 6329104 6332641 6333959 6334849 6334864 6337226 6337517 6338271
6338278 6338283 6338927 6339426 6340201 6341374 6341416 6341455 6342546 6343810 6343853
6345619 6348207 6350086 6351299 6351698 6352819 6355666 6357512 6359295 6359696 6360305
6360541 6362090 6362557 6363434 6364346 6364384 6364882 6365597 6366351 6366811 6366931
6367357 6370565 6370773 6370914 6372428 6373059 6377036 6377387 6378768 6378830 6378990
6379439 6379808 6380091 6381513 6381718 6381777 6385277 6385286 6385692 6385867 6387267
6388659 6390179 6390837 6390845 6390869 6390952 6391040 6391482 6391723 6391729 6392388
6392735 6393258 6394084 6394318 6395069 6395113 6395139 6395611 6396979 6397754 6399303

6400584 6400685 6401166 6401245 6402180 6404516 6404731 6405128 6405639 6407057 6407335
6407775 6407901 6408734 6412391 6413000 6413033 6413153 6416184 6419232 6419424 6420739
6423264 6423402 6427930 6428527 6428561 6428834 6433216 6436385 6436676 6437225 6438311
6443883 6446250 6449884 6454498 4486732 4726957 4836493 4924220 5013564 5018075 5023697
5056438 5056445 5062649 5075580 5076692 5083253 5086831 5089488 5093520 5093560 5098002
5098318 5102695 5103041 6178071 6186200 6186840 6189833 6193075 6201467 6206933 6209956
6214400 6214916 6215050 6223076 6225432 6229618 6232010 6234795 6242673 6245283 6245770
6257619 6261423 6261681 6263644 6265809 6267224 6271513 6274990 6275407 6279133 6280181
6280629 6285124 6295519 6295591 6296324 6300270 6305025 6306741 6309761 6309875 6310716
6312510 6313320 6313541 6314144 6314759 6317336 6318047 6319671 6319688 6320740 6322176
6322757 6324827 6325354 6326015 6326020 6326417 6326935 6327342 6328462 6329105 6330699
6330892 6332148 6332962 6333676 6335114 6336111 6336600 6337338 6338472 6339806 6339951
6341549 6342404 6342457 6342951 6343401 6344778 6345314 6346265 6346688 6346871 6347370
6347516 6348224 6350061 6350901 6350975 6351064 6351343 6351682 6353684 6353783 6354368
6354728 6355295 6355363 6355402 6356458 6356527 6356753 6359084 6360774 6362628 6363528
6363904 6363986 6366491 6366599 6367204 6367496 6371069 6371531 6372116 6376865 6376884
6379615 6381630 6384849 6385825 6385940 6386556 6386588 6387271 6388917 6389026 6389503
6390605 6390821 6391650 6415362 6418103 6420264 6426318 6428554 6429118 6429143 4263904
4976239 4986256 5043245 5047307 5053844 5062222 5068014 5073778 5083062 5092063 5101898
5104215 6173783 6174229 6177732 6182812 6195469 6197534 6197726 6204620 6206166 6206441
6208022 6215625 6231602 6232820 6232954 6233622 6237688 6239400 6240876 6241823 6248507
6251458 6253848 6254441 6256473 6257260 6258466 6260834 6262235 6262572 6263272 6264252
6267930 6269555 6271298 6281384 6282084 6282891 6283270 6283361 6285301 6286011 6286189
6287191 6287601 6291034 6294558 6295680 6296125 6296410 6298940 6301771 6302769 6302904
6304225 6304650 6305546 6305653 6307455 6310737 6310858 6311255 6313317 6315358 6317122
6317178 6317278 6322521 6322568 6325315 6325748 5060628 6201802 6259137 6305157 6311051
6322301 6325504 6329042 6331269 6332350 6337834 6338436 6338891 6340079 6340202 6342738
6343024 6287164 6343111 6344735 6346725 6347132 6348045 4521075 4855860 4868278 4896773
5039416 5045217 5070081 5077603 5086160 5086424 5089317 5109224 6180936 6183734 6186280
6190413 6192376 6207824 6209695 6212440 6214543 6217210 6223265 6224811 6226827 6229389
6231029 6232485 6233005 6235633 6240755 6245809 6250214 6250749 6251460 6255285 6255949
6257124 6257182 6258006 6259991 6263814 6264872 6268365 6269854 6272715 6274390 6278597
6279126 6283161 6286864 6296218 6306172 4207472 4305459 4881314 4964339 4975824 5003235
5044738 5053272 5055567 5067517 5074396 5076514 5077866 5078280 5079751 5083441 5087208
5088035 5092850 5095117 5097015 5097241 5101391 5102490 5109602 6174596 6176318 6176814
6178395 6186747 6191542 6192422 6194668 6195301 6196089 6198522 6200138 6203233 6203483
6204669 6205422 6210088 6211480 6213128 6214132 6218454 6218682 6218987 6220064 6222034
6223691 6224591 6225440 6225605 6226269 6227033 6227583 6228585 6231186 6231936 6232039
6232513 6232607 6233169 6234804 6237349 6237552 6237654 6240586 6241743 6243108 6243400
6244063 6250286 6250517 6252770 6254466 6255782 6256476 6256477 6256728 6258508 6258681
6259113 6261269 6261304 6261558 6261980 6263857 6268145 6268876 6273094 6273975 6277246
6277266 6277315 6277659 6278491 4388541 4684153 4845692 4911491 4915324 4974531 4980122
4987923 5003402 5023243 5037521 5038903 5051880 5054010 5058132 5058463 5062118 5064088
5070730 5073407 5074530 5074836 5079429 5079729 5079742 5084004 5084812 5086089 5087395
5087826 5088701 5088703 5089312 5089429 5090555 5090643 5091805 5092058 5094112 5094138
5094505 5097131 5097939 5099360 5102082 5103449 5104239 5105410 5105917 5105918 5106044
5107852 5108694 5110117 6175601 6177059 6178366 6179014 6179233 6182630 6183297 6184225
6184713 6184715 6184718 6185342 6185483 6186650 6188839 6188959 6188963 6189072 6189657

6189687 6190277 6190713 6190873 6190987 6191064 6192124 6192223 6192448 6192845 6192907
6192944 6193821 6194024 6194838 6195181 6195632 6195718 6197664 6198632 6199000 6199899
6200343 6200960 6201185 6201302 6201464 6201644 6201884 6201952 6202061 6203504 6205320
6205321 6205414 6205494 6206764 6207138 6207322 6209613 6210721 6211220 6212165 6214159
6214166 6214369 6214784 6215407 6216277 6219639 6220829 6221563 6222071 6222449 6224433
6224438 6225348 6233287 6219668 6248788 6456461 4897333 4924758 4949631 4984794 4994329
5017051 5023873 5024379 5056403 5075526 5075546 5080386 5082319 5089985 5092094 5100483
5101128 5104960 5105765 6173972 6180194 6181598 6181784 6182685 6189106 6189594 6195099
6206216 6206839 6207079 6207830 6208366 6208545 6208676 6208712 6208965 6209095 6209342
6209737 6210227 6213461 6213473 6215109 6215480 6215746 6218309 6219491 6219495 6221549
6222350 6224405 6226589 6227551 6227874 6228205 6229377 6229965 6231054 6231145 6231216
6232417 6232636 6233573 6234174 6234219 6234909 6237671 6238128 6247771 6250165 6250473
6261499 6261509 6261510

■ 118667-15 – JavaSE 5.0: update 14 patch (equivalent to JDK 5.0u14), 64bit

4743558 5053708 5088563 6206527 6219364 6236727 6265713 6314370 6321689 6354969 6358629
6373274 6418433 6431847 6447412 6454676 6457444 6464451 6465756 6467921 6469580 6476329
6480378 6483402 6484661 6490921 6494472 6494722 6502051 6502568 6503510 6512054 6515362
6518816 6519085 6520101 6520665 6522028 6525425 6528763 6530198 6531255 6531591 6531593
6534678 6536120 6538601 6542420 6543815 6543940 6545719 6546278 6547501 6553303 6554586
6555628 6556044 6557713 6558100 6560218 6562716 6565138 6570062 6570259 6571205 6572147
6576321 6577717 6578895 6579208 6579743 6585239 6586045 6587875 6593729 6594813 6599750
6601686 6611886 6609269 6585736 6595137 5036554 6190373 6191896 6206442 6300533 6316313
6317248 6331483 6358747 6381526 6394747 6395346 6398636 6401956 6405138 6405147 6406822
6415321 6418004 6419112 6433689 6448717 6448787 6449486 6449933 6456276 6457066 6463096
6464051 6464154 6466058 6469606 6469663 6471418 6473331 6480497 6481955 6485605 6486626
6487334 6487916 6489165 6490384 6490560 6493637 6493989 6495123 6495720 6496144 6497526
6504460 6515688 4052517 4225362 4494727 4753347 4879507 5036146 6216340 6297094 6311411
6321453 6347873 6353972 6370080 6379214 6386647 6395737 6396844 6401137 6404972 6405311
6414459 6415062 6416988 6418035 6424564 6428590 6432397 6432667 6434840 6446855 6450945
6451451 6454444 6459676 6460501 6461827 6467152 6468516 6470111 6471004 6472335 6472714
6473485 6475032 6475157 6480566 6481177 6484462 6485516 6486607 6487381 6487931 6488119
6491364 6491714 6492173 6495567 6496224 6496958 6497154 6498661 6500174 6500302 6500903
6501186 6502189 6502317 6502780 6511568 6518092 6519527 6520670 6523518 6523707 6524112
6525690 6526421 6530336 6539661 6541843 6542335 6542419 6557659 4744057 4818488 4855795
5008498 5076772 5082374 6186524 6189161 6220825 6231529 6264013 6267625 6291992 6293795
6304817 6306218 6306625 6307570 6315235 6318302 6323299 6323688 6328467 6330315 6332120
6333613 6339493 6350066 6354718 6358532 6359106 6359434 6369448 6369510 6374321 6374419
6382144 6382788 6386537 6388456 6395581 6396586 6396591 6396594 6399321 6401952 6404388
6405538 6406801 6406821 6407414 6409194 6409286 6411322 6412288 6417341 6417395 6419145
6420226 6420685 6421297 6423370 6424631 6425120 6425203 6427025 6432517 6433293 6433335
6434117 6434214 6437047 6438259 6438812 6439651 6440479 6440724 6440819 6440823 6440854
6441368 6445579 6447404 6448190 6449565 6451717 6453743 6459113 6459739 6460113 6460627
6462407 6463501 6464934 6465377 6466876 6468053 6471081 6475580 6477533 6479208 6480532
6490436 6497264 6504322 6349010 6406864 6418117 6458152 6465104 6469222 6469263 6475078
6475088 6475094 6476703 4368790 4626557 4653090 4699981 4778281 4842599 4916620 4977599
4994629 4994705 5002251 5030922 5038724 5062728 5070991 5074577 5075953 5085647 5091224
5092263 5097531 5098176 5100422 5105922 5106661 6173560 6176051 6181157 6193212 6195047

6213540	6220110	6226610	6227961	6228529	6229114	6231517	6253746	6259542	6263446	6265533
6266735	6272221	6282072	6298694	6300358	6305029	6311320	6318850	6319603	6322825	6322847
6323123	6325535	6328000	6329104	6332641	6333959	6334849	6334864	6337226	6337517	6338271
6338278	6338283	6338927	6339426	6340201	6341374	6341416	6341455	6342546	6343810	6343853
6345619	6348207	6350086	6351299	6351698	6352819	6355666	6357512	6359295	6359696	6360305
6360541	6362090	6362557	6363434	6364346	6364384	6364882	6365597	6366351	6366811	6366931
6367357	6370565	6370773	6370914	6372428	6373059	6377036	6377387	6378768	6378830	6378990
6379439	6379808	6380091	6381513	6381718	6381777	6385277	6385286	6385692	6385867	6387267
6388659	6390179	6390837	6390845	6390869	6390952	6391040	6391482	6391723	6391729	6392388
6392735	6393258	6394084	6394318	6395069	6395113	6395139	6395611	6396979	6397754	6399303
6400584	6400685	6401166	6401245	6402180	6404516	6404731	6405128	6405639	6407057	6407335
6407775	6407901	6408734	6412391	6413000	6413033	6413153	6416184	6419232	6419424	6420739
6423264	6423402	6427930	6428527	6428561	6428834	6433216	6436385	6436676	6437225	6438311
6443883	6446250	6449884	6454498	4486732	4726957	4836493	4924220	5013564	5018075	5023697
5056438	5056445	5062649	5075580	5076692	5083253	5086831	5089488	5093520	5093560	5098002
5098318	5102695	5103041	6178071	6186200	6186840	6189833	6193075	6201467	6206933	6209956
6214400	6214916	6215050	6223076	6225432	6229618	6232010	6234795	6242673	6245283	6245770
6257619	6261423	6261681	6263644	6265809	6267224	6271513	6274990	6275407	6279133	6280181
6280629	6285124	6295519	6295591	6296324	6300270	6305025	6306741	6309761	6309875	6310716
6312510	6313320	6313541	6314144	6314759	6317336	6318047	6319671	6319688	6320740	6322176
6322757	6324827	6325354	6326015	6326020	6326417	6326935	6327342	6328462	6329105	6330699
6330892	6332148	6332962	6333676	6335114	6336111	6336600	6337338	6338472	6339806	6339951
6341549	6342404	6342457	6342951	6343401	6344778	6345314	6346265	6346688	6346871	6347370
6347516	6348224	6350061	6350901	6350975	6351064	6351343	6351682	6353684	6353783	6354368
6354728	6355295	6355363	6355402	6356458	6356527	6356753	6359084	6360774	6362628	6363528
6363904	6363986	6366491	6366599	6367204	6367496	6371069	6371531	6372116	6376865	6376884
6379615	6381630	6384849	6385825	6385940	6386556	6386588	6387271	6388917	6389026	6389503
6390605	6390821	6391650	6415362	6418103	6420264	6426318	6428554	6429118	6429143	4263904
4976239	4986256	5043245	5047307	5053844	5062222	5068014	5073778	5083062	5092063	5101898
5104215	6173783	6174229	6177732	6182812	6195469	6197534	6197726	6204620	6206166	6206441
6208022	6215625	6231602	6232820	6232954	6233622	6237688	6239400	6240876	6241823	6248507
6251458	6253848	6254441	6256473	6257260	6258466	6260834	6262235	6262572	6263272	6264252
6267930	6269555	6271298	6281384	6282084	6282891	6283270	6283361	6285301	6286011	6286189
6287191	6287601	6291034	6294558	6295680	6296125	6296410	6298940	6301771	6302769	6302904
6304225	6304650	6305546	6305653	6307455	6310737	6310858	6311255	6313317	6315358	6317122
6317178	6317278	6322521	6322568	6325315	6325748	5060628	6201802	6259137	6305157	6311051
6322301	6325504	6329042	6331269	6332350	6337834	6338436	6338891	6340079	6340202	6342738
6343024	6287164	6343111	6344735	6346725	6347132	6348045	4521075	4855860	4868278	4896773
5039416	5045217	5070081	5077603	5086160	5086424	5089317	5109224	6180936	6183734	6186280
6190413	6192376	6207824	6209695	6212440	6214543	6217210	6223265	6224811	6226827	6229389
6231029	6232485	6233005	6235633	6240755	6245809	6250214	6250749	6251460	6255285	6255949
6257124	6257182	6258006	6259991	6263814	6264872	6268365	6269854	6272715	6274390	6278597
6279126	6283161	6286864	6296218	6306172	4207472	4305459	4881314	4964339	4975824	5003235
5044738	5053272	5055567	5067517	5074396	5076514	5077866	5078280	5079751	5083441	5087208
5088035	5092850	5095117	5097015	5097241	5101391	5102490	5109602	6174596	6176318	6176814
6178395	6186747	6191542	6192422	6194668	6195301	6196089	6198522	6200138	6203233	6203483
6204669	6205422	6210088	6211480	6213128	6214132	6218454	6218682	6218987	6220064	6222034
6223691	6224591	6225440	6225605	6226269	6227033	6227583	6228585	6231186	6231936	6232039

6232513 6232607 6233169 6234804 6237349 6237552 6237654 6240586 6241743 6243108 6243400
6244063 6250286 6250517 6252770 6254466 6255782 6256476 6256477 6256728 6258508 6258681
6259113 6261269 6261304 6261558 6261980 6263857 6268145 6268876 6273094 6273975 6277246
6277266 6277315 6277659 6278491 4548788 4656461 4897333 4924758 4949631 4984794 4994329
5017051 5023873 5024379 5056403 5075526 5075546 5080386 5082319 5089985 5092094 5100483
5101128 5104960 5105765 6173972 6180194 6181598 6181784 6182685 6189106 6189594 6195099
6206216 6206839 6207079 6207830 6208366 6208545 6208676 6208712 6208965 6209095 6209342
6209737 6210227 6213461 6213473 6215109 6215480 6215746 6218309 6219491 6219495 6221549
6222350 6224405 6226589 6227551 6227874 6228205 6229377 6229965 6231054 6231145 6231216
6232417 6232636 6233573 6234174 6234219 6234909 6237671 6238128 6247771 6250165 6250473
6261499 6261509 6261510 4388541 4684153 4845692 4911491 4915324 4974531 4980122 4987923
5003402 5023243 5037521 5038903 5051880 5054010 5058132 5058463 5062118 5064088 5070730
5073407 5074530 5074836 5079429 5079729 5079742 5084004 5084812 5086089 5087395 5087826
5088701 5088703 5089312 5089429 5090555 5090643 5091805 5092058 5094112 5094138 5094505
5097131 5097939 5099360 5102082 5103449 5104239 5105410 5105917 5105918 5106044 5107852
5108694 5110117 6175601 6177059 6178366 6179014 6179233 6182630 6183297 6184225 6184713
6184715 6184718 6185342 6185483 6186650 6188839 6188959 6188963 6189072 6189657 6189687
6190277 6190713 6190873 6190987 6191064 6192124 6192223 6192448 6192845 6192907 6192944
6193821 6194024 6194838 6195181 6195632 6195718 6197664 6198632 6199000 6199899 6200343
6200960 6201185 6201302 6201464 6201644 6201884 6201952 6202061 6203504 6205320 6205321
6205414 6205494 6206764 6207138 6207322 6209613 6210721 6211220 6212165 6214159 6214166
6214369 6214784 6215407 6216277 6219639 6220829 6221563 6222071 6222449 6224433 6224438
6225348 6233287 6219668

- **118676-03 – SunOS 5.10: patch for Solaris make and sccs utilities**

6208430 5037057 6470071

- **118683-02 – SunOS 5.10: Patch for assembler**

5069118 5071178 5079903 5093350 5090509 6192963 6236017 6253736 5068534 6273425 6274959
6284469 6374803 6396903 6398502 6406992 6409389 6437484 6479836 6500898 6521614 6525702
6528253 6534961 6535495 6584791

- **118705-01 – SunOS 5.10: XVR-1000 GFB Graphics Patch**

4949649 6270426

- **118706-01 – SunOS 5.10: Creator and Creator3D: FFB Graphics Patch**

6240103

- **118707-05 – SunOS 5.10: Expert3D IFB Graphics Patch**

6239859 6266390 6278448 6297322 6319759 6580723

- **118708-17 – SunOS 5.10: Sun XVR-1200 and Sun XVR-600 Graphics Accelerator Patch**

6202655 6205888 6210235 6244529 6248620 6250233 6260241 6266390 6278448 6279278 6293254
6297322 6311081 6319362 6364976 6368913 6440714 6466799 6521995 6576416 6575631

- **118711-03 – SunOS 5.10: M64 Graphics Patch**

4950414 6269998 4349270

- **118712-20 – SunOS 5.10: Sun XVR-100 Graphics Accelerator Patch**

4789274 5098578 6182271 6214907 6260233 6282798 6282999 6302266 6307293 6345888 6350133
 6353495 6373835 6377359 6385527 6398532 6452445 6459541 6460135 6467135 6480033 6491858
 6503731 6509359 6510862 6513956 6519094 6532084 6534637 6537205 6541438 6545680 6545708
 6546037 6548222 6555601 6559125 6564685 6587698 6587959 6628646 6614368

- **118717-02 – SunOS 5.10: Sun Video Timing Information Patch**

6362624 6574646

- **118718-01 – SunOS 5.10: Generic Framebuffer configuration Graphics Patch**

6534154

- **118735-01 – SunOS 5.10: patch usr/sbin/rpc.nisd_resolv**

6220055

- **118777-12 – SunOS 5.10: Sun GigaSwift Ethernet 1.0 driver patch**

4722784 4763926 4770635 6214285 6216131 6218302 6223263 6227233 6236474 6238254 6251174
 6255365 6255394 6261657 6266901 6266985 6273441 6277650 6279238 6280692 6304571 6310502
 6342672 6342675 6345632 6356079 6358618 6358633 6385683 6388242 6390978 6434341 6438569
 6401602 6428623 6493290 6451235 6501309 6460221 6515306 6538624 6550184 6552011 6606507
 6281341

- **118814-01 – SunOS 5.10: patch platform/sun4u/kernel/tod/sparcv9/todsg**

6226428 6228652 6228655 6230025

- **118824-01 – SunOS 5.10: patch usr/bin/sparcv9/sort**

6178339

- **118918-24 – SunOS 5.10: Solaris Crypto Framework patch**

4691624 4721729 4920408 4925453 4926742 4931202 5039273 5059459 5059461 5062050 5067502
 5072858 5100567 6181926 6192431 6195428 6195934 6197268 6197284 6198116 6199119 6200215
 6204887 6211857 6215509 6215816 6216772 6217866 6220814 6222467 6223863 6223866 6223869
 6228384 6231739 6231978 6249979 6250168 6250963 6252894 6253484 6262344 6264344 6264379
 6271754 6274680 6276483 6276609 6278459 6278572 6278578 6280574 6286372 6287425 6287428
 6288840 6296920 6314217 6332420 6336131 6336517 6342468 6345493 6352877 6355571 6355597
 6357426 6358078 6359179 6360218 6364043 6368332 6372133 6372169 6372587 6373525 6376993
 6379529 6394953 6399680 6405871 6408419 6427002 6427559 6439285 6474874 6480958 6484163

- **120900-04 – SunOS 5.10: libzonecfg Patch**

6200896 6218854 6328286 6346201 6400792

- **121133-02 – SunOS 5.10: zones library and zones utility patch**

6200896 6317239 6328286 6329667 6339404 6346201 6393109 6400792 6415764

■ **119254-53 – SunOS 5.10: Install and Patch Utilities Patch**

4905325 4907080 4908553 4967419 4991875 5045607 6188748 6196673 6206255 6210622 6216195
6216798 6216809 6217206 6218542 6219176 6220578 6221954 6224740 6224767 6225041 6226770
6226930 6231818 6233011 6233738 6236231 6236796 6236855 6236866 6239875 6240894 6241052
6241431 6241944 6242607 6243480 6244125 6245446 6245715 6248984 6251452 6251466 6252385
6252388 6256515 6262677 6263190 6265069 6266241 6271791 6274438 6275530 6275557 6276148
6277096 6278325 6279485 6284610 6285073 6288746 6290368 6290429 6290432 6292233 6292269
6292275 6293397 6296187 6297336 6303564 6304174 6304222 6306319 6307548 6309013
6313848 6315157 6315316 6315512 6318864 6319430 6319570 6320238 6321376 6322837 6323208
6324392 6328091 6331277 6334066 6335342 6337009 6337644 6340114 6342245 6344531 6344676
6344916 6345121 6347534 6348813 6349319 6351408 6351428 6352966 6354346 6355320 6355604
6360157 6362706 6363226 6364817 6369639 6370540 6371040 6371745 6373045 6374972 6380672
6380873 6386697 6387091 6387771 6388931 6388959 6389929 6391503 6392825 6397413 6401302
6406489 6406934 6407037 6412093 6412140 6412749 6412765 6412965 6413788 6421944 6425837
6433028 6435846 6438808 6438813 6440750 6443298 6444650 6445261 6452983 6455767 6456317
6464056 6467398 6479033 6479483 6479605 6480462 6486471 6489022 6496734 6497684 6499744
6500160 6500813 6502541 6513106 6513566 6524528 6527309 6527819 6532654 6534160 6535026
6546222 6548606 6556250 6560447 6561150 6561926 6576150 6577070 6578686 6581814 6582345
6592096 6612361 6617022 6626977 6632196 6634610 6644068 6644075 6646494 6650617 6668239

■ **119042-10 – SunOS 5.10: svccfg & svcprop patch**

6197520 6217410 6221374 6222202 6231947 6251841 6287888 6296112 6299709 6351779 6355665
6367481 6397719 6461381

■ **119578-30 – SunOS 5.10: FMA Patch**

4818484 5062645 5076562 5083131 5087929 5090037 6181364 6183842 6198521 6202015 6202564
6202643 6213277 6216286 6216754 6218246 6218463 6219101 6220169 6222529 6223178 6223348
6224293 6225875 6229087 6232309 6237801 6237913 6239573 6240456 6244989 6249531 6253955
6254303 6254397 6256371 6263078 6264225 6264415 6266851 6273144 6276462 6277362 6278369
6278378 6278442 6279063 6281100 6281113 6284455 6295417 6298484 6298972 6298974 6298981
6313638 6314073 6315039 6317871 6320584 6321736 6322749 6323319 6323322 6323393 6323532
6323554 6324536 6325530 6326958 6328921 6330180 6330644 6331093 6332245 6333184 6333617
6335522 6335549 6336193 6337809 6338081 6338653 6342066 6342977 6345621 6345894 6345936
6346926 6351025 6356155 6359264 6361055 6362043 6362164 6365742 6365743 6366206 6366821
6367031 6367044 6367047 6367049 6367051 6367053 6367061 6367063 6367069 6367070 6367073
6367075 6367985 6368526 6369190 6369961 6370284 6370798 6370802 6371490 6373071 6373879
6377319 6378766 6379498 6381022 6384727 6385007 6385516 6388986 6389646 6389650 6390114
6390205 6390211 6390232 6390296 6390617 6391117 6393362 6395385 6397762 6397830 6398325
6398388 6399875 6406417 6409768 6411192 6414182 6416496 6416735 6419218 6419771 6421627
6421650 6421659 6422221 6422560 6423975 6424520 6424523 6425600 6426009 6426514 6428381
6428843 6429361 6430015 6430823 6430825 6434164 6437467 6438703 6441262 6441859 6446309

■ **118833-36 – SunOS 5.10: kernel patch**

1156383 1236941 4034947 4063945 4108775 4117562 4165223 4256818 4294701 4316952 4352289
4387797 4419428 4471706 4486878 4500618 4511681 4521202 4599450 4621371 4626861 4634519

4636944	4638717	4644326	4670406	4691277	4712059	4727117	4745648	4763363	4782952	4792021
4796051	4799697	4818196	4818484	4841261	4845958	4849565	4853554	4855218	4872386	4873353
4875624	4880976	4885996	4886293	4892666	4898397	4905227	4908967	4909247	4913952	4915681
4921452	4923208	4927518	4928000	4931229	4932869	4934259	4938301	4939546	4951608	4954646
4954703	4961433	4967732	4968226	4972826	4995852	4997994	5004247	5004374	5004701	5005976
5007714	5007726	5010267	5013200	5016956	5016975	5016998	5017041	5017095	5018506	5019542
5023079	5023670	5024476	5029967	5031470	5034470	5036894	5039369	5039974	5041567	5042195
5042855	5042924	5044015	5045382	5046450	5047630	5049969	5052723	5058075	5061331	5062145
5062435	5062645	5065608	5066548	5067964	5068886	5070446	5073604	5076027	5076357	5076548
5076976	5079311	5080443	5080821	5081575	5083133	5083170	5084073	5084264	5084421	5084452
5085739	5085886	5087103	5087929	5088665	5089813	5090022	5090037	5090773	5091442	5095432
5096257	5096624	5096886	5096891	5099806	5099850	5099855	5102062	5102894	5105010	5105717
5106644	5106725	5106803	5106865	5108067	5108471	5108961	5109126	5110153	6174574	6175313
6175438	6177369	6178604	6178746	6179167	6180137	6180557	6182677	6183621	6184323	6185781
6186472	6186851	6187076	6189856	6190561	6191192	6192523	6193468	6194015	6194576	6194723
6195171	6196169	6196844	6196850	6196861	6197460	6197861	6198351	6198405	6198521	6198523
6198614	6198766	6198890	6198953	6199406	6199444	6200071	6200160	6200295	6200896	6200924
6200969	6201076	6201142	6201257	6201425	6201431	6202564	6202573	6203341	6203470	6203517
6203547	6203680	6203955	6204443	6204546	6204621	6204983	6204987	6205014	6205337	6206217
6206732	6207276	6207772	6207840	6207842	6207963	6208058	6208532	6208709	6208798	6209091
6209350	6209399	6209411	6209502	6209588	6209619	6210668	6210697	6210716	6210881	6210936
6211827	6211936	6212248	6212406	6212418	6212756	6212797	6213074	6213184	6213273	6213277
6213418	6213463	6213486	6213551	6213962	6214108	6214180	6214472	6214604	6214615	6214620
6214687	6214698	6214721	6214834	6214946	6215000	6215065	6215444	6215546	6216056	6216134
6216135	6216419	6216447	6216470	6216650	6217001	6217370	6217624	6217821	6217870	6218082
6218194	6218503	6218854	6219127	6219132	6219142	6219178	6219195	6219276	6219317	6219538
6219651	6219672	6219812	6219928	6220069	6220217	6220234	6220441	6220478	6220619	6220843
6221022	6221058	6221094	6221306	6221490	6221495	6221496	6221498	6221845	6222174	6222228
6222466	6222525	6222535	6222966	6223059	6223331	6223375	6223379	6223563	6223569	6223572
6223580	6223583	6223603	6223809	6223915	6224061	6224221	6224730	6224745	6224788	6224822
6224934	6225262	6225650	6225780	6225876	6225908	6226023	6226206	6226263	6226302	6226320
6226326	6226332	6226345	6226357	6226421	6226426	6226428	6226441	6226445	6226484	6226756
6226776	6226862	6226920	6226968	6227029	6227041	6227074	6227237	6227282	6227387	6227512
6227733	6227744	6227872	6227893	6227895	6228017	6228044	6228203	6228472	6228498	6228610
6228652	6228655	6228709	6228871	6228874	6229034	6229087	6229128	6229153	6229159	6229172
6229575	6229676	6229754	6230025	6230117	6230133	6230146	6230156	6230249	6230252	6230315
6230528	6230552	6230700	6230925	6230927	6230951	6230979	6230983	6230995	6231030	6231203
6231205	6231207	6231263	6231288	6231415	6231461	6231502	6231804	6231877	6231964	6232301
6232332	6232414	6232422	6232564	6232579	6232586	6232748	6232852	6232864	6233064	6233073
6233184	6233388	6233613	6233615	6233624	6233919	6234004	6234033	6234037	6234063	6234072
6234108	6234227	6234363	6234449	6234486	6234506	6234594	6234710	6234904	6235000	6235003
6235044	6235086	6235318	6235348	6235370	6235959	6236000	6236038	6236072	6236182	6236253
6236382	6236513	6236514	6236521	6236552	6236594	6236617	6236726	6236870	6236942	6236985
6237066	6237078	6237149	6237197	6237355	6237357	6237359	6237411	6237466	6237585	6237666
6237669	6237779	6237793	6237799	6237823	6237899	6237913	6238276	6238277	6238322	6238533
6238601	6238679	6238686	6238996	6239011	6239064	6239254	6239573	6239625	6239626	6239671
6239708	6239801	6239895	6239984	6240160	6240205	6240342	6240363	6240367	6240456	6240490
6240663	6240925	6240956	6241299	6241305	6241739	6241837	6241995	6242365	6242764	6242831

6242869	6243046	6243241	6243341	6243434	6243444	6243456	6243604	6243651	6243675	6243697
6243897	6244042	6244217	6244310	6244315	6244317	6244320	6244328	6244431	6244519	6244819
6244897	6244980	6245008	6245233	6245378	6245467	6245559	6245760	6245953	6246111	6246138
6246755	6246787	6246875	6247143	6247310	6247392	6247399	6247821	6248250	6248393	6248527
6248555	6248591	6248724	6248910	6249127	6249138	6249409	6249458	6249580	6249703	6249707
6249712	6250211	6250256	6250345	6250374	6250382	6250386	6250493	6250898	6250931	6251092
6251093	6251504	6251611	6251625	6251659	6251722	6251754	6251798	6251862	6252083	6252155
6252176	6252197	6252395	6252398	6252403	6252407	6252411	6252555	6252754	6252787	6252856
6253027	6253028	6253030	6253031	6253033	6253388	6253496	6253548	6253561	6253575	6253744
6253747	6253788	6253955	6254258	6254303	6254364	6254433	6254741	6254783	6254835	6254876
6254960	6255078	6255351	6255593	6255609	6255668	6255670	6255689	6255855	6255872	6255906
6256056	6256094	6256111	6256152	6256157	6256158	6256245	6256272	6256312	6256317	6256357
6256372	6256393	6256554	6256813	6256824	6257150	6257177	6257280	6257683	6257723	6257772
6257917	6258024	6258318	6258433	6258528	6258738	6258834	6259168	6259227	6259385	6259467
6259653	6259731	6259768	6259809	6260039	6260210	6260355	6260361	6260517	6260524	6260526
6260557	6260568	6260673	6260679	6260780	6260923	6261032	6261173	6261284	6261642	6261643
6261803	6261805	6261853	6261859	6261946	6261990	6262249	6262297	6262302	6262304	6262347
6262353	6262563	6262573	6262789	6262887	6263065	6263070	6263078	6263122	6263194	6263250
6263338	6263907	6263927	6264169	6264415	6264443	6264469	6264473	6264487	6264601	6264845
6264903	6264966	6265027	6265068	6265086	6265087	6265088	6265090	6265094	6265177	6265183
6265240	6265425	6265542	6265652	6266140	6266261	6266388	6266836	6266921	6266922	6266969
6267117	6267352	6267670	6267671	6267680	6267682	6267693	6267695	6267718	6267731	6267741
6267759	6267778	6267828	6267902	6268152	6268229	6268387	6268417	6268693	6268697	6268943
6269064	6269246	6269285	6269465	6269525	6269633	6270085	6270225	6270398	6270528	6270710
6270748	6271033	6271075	6271314	6271323	6271324	6271626	6271650	6271688	6271759	6271814
6271950	6272461	6272550	6272563	6272573	6272599	6272602	6272652	6272865	6272867	6273098
6273261	6273373	6273374	6273456	6273474	6273855	6273864	6273875	6274126	6274493	6274517
6274647	6274712	6274840	6274882	6274894	6274899	6274924	6274965	6274969	6275398	6275414
6275431	6276036	6276048	6276060	6276242	6276525	6276905	6276916	6277017	6277084	6277108
6277224	6277304	6277362	6277961	6278369	6278450	6278650	6279001	6279317	6279331	6279506
6279569	6279871	6279932	6280143	6280180	6280390	6280459	6280467	6280668	6280933	6281038
6281100	6281113	6281147	6281150	6281281	6281300	6281689	6281836	6281885	6282037	6282049
6282121	6282291	6282340	6282386	6282389	6282392	6282776	6282867	6282875	6282885	6283314
6283493	6283565	6283577	6283601	6284239	6284597	6284906	6284941	6284968	6285253	6285447
6286335	6286341	6286625	6286781	6286861	6286916	6287398	6287422	6287550	6287766	6287771
6287776	6287954	6288090	6288246	6288308	6288337	6288365	6288420	6288430	6288435	6288440
6288448	6288488	6288882	6289017	6289134	6289141	6289440	6289503	6289986	6290157	6290459
6290542	6290652	6290673	6290788	6290877	6290936	6291309	6291547	6291662	6291720	6291876
6291896	6291901	6292032	6292054	6292076	6292433	6292943	6292950	6293271	6293434	6294464
6294490	6294727	6294728	6294867	6294902	6295752	6295971	6296379	6296526	6296594	6296988
6297186	6297318	6297432	6297503	6297523	6297798	6297856	6298780	6298786	6298895	6298924
6298989	6299049	6299091	6299476	6299525	6299894	6300267	6300289	6300406	6300734	6300960
6301112	6301218	6301274	6301419	6301580	6301766	6301815	6301944	6302130	6302322	6302553
6302652	6302747	6302751	6302789	6302807	6303053	6303188	6303210	6303214	6303260	6303398
6303405	6303424	6303530	6303569	6303761	6303973	6304200	6304378	6304654	6304736	6304858
6304890	6304902	6304904	6305207	6305386	6305393	6305465	6305854	6305935	6305938	6306023
6306072	6306150	6306529	6306717	6306768	6306782	6306925	6307395	6307652	6308117	6308155
6308352	6308356	6308380	6308710	6308874	6309061	6309270	6309430	6309515	6309525	6309829

6310343	6310408	6310438	6310557	6310724	6310736	6311016	6311048	6311460	6311865	6311869
6312173	6312354	6312508	6312645	6312753	6312960	6313025	6313214	6313259	6313308	6313403
6313410	6313488	6313684	6313788	6313837	6313842	6314115	6314243	6314245	6314321	6314417
6314455	6314504	6314743	6314894	6315610	6315667	6315921	6316452	6316463	6316557	6316748
6316758	6316876	6316907	6317091	6317239	6317693	6317940	6317947	6318183	6318306	6318401
6318725	6319100	6319113	6319119	6319881	6320011	6320763	6320968	6321149	6321197	6321372
6321383	6321578	6321591	6321768	6322005	6322028	6322165	6322179	6322205	6322231	6322371
6322663	6322770	6322966	6323732	6324019	6324156	6324573	6324589	6324745	6324927	6325213
6325408	6325893	6326006	6326077	6326078	6326187	6326490	6326499	6326502	6326505	6326531
6326533	6326547	6326564	6326583	6326937	6326981	6327017	6327336	6327693	6327762	6327920
6327929	6328230	6328286	6328296	6328310	6328317	6328752	6328906	6329568	6329593	6329696
6329796	6330256	6330278	6330408	6330610	6330765	6330830	6331032	6331154	6331250	6331370
6331878	6331880	6331883	6331916	6332057	6332260	6332352	6332594	6332630	6332638	6332821
6332874	6332941	6332942	6332948	6332961	6332983	6332990	6333195	6333456	6333461	6333506
6333508	6333712	6333763	6333857	6333880	6334302	6334433	6334510	6334799	6334882	6334921
6335370	6335374	6335442	6335611	6335629	6336163	6336322	6336380	6336467	6336748	6336768
6337073	6337123	6337131	6337136	6337341	6337355	6337437	6337450	6337564	6337636	6337987
6338045	6338046	6338081	6338131	6338258	6338289	6338316	6338338	6338386	6338401	6338512
6338584	6338653	6338660	6338767	6339177	6339319	6339376	6339377	6339404	6339683	6339731
6339766	6339777	6339808	6339812	6339847	6339942	6340699	6340735	6340766	6340768	6340778
6340900	6340983	6341003	6341045	6341429	6341629	6341664	6342066	6342112	6342194	6342314
6342319	6342422	6342630	6342807	6342813	6342823	6342824	6342966	6343017	6343199	6343332
6343344	6343544	6343566	6343599	6343774	6343874	6343908	6344008	6344065	6344138	6344186
6344261	6344455	6344639	6345179	6345556	6345641	6345690	6345818	6345897	6346183	6346204
6346270	6346500	6346529	6346582	6346617	6346769	6347011	6347105	6347109	6347166	6347201
6347453	6347726	6348147	6348244	6348407	6348423	6348581	6348751	6348868	6349142	6349232
6349247	6349262	6349315	6349440	6349487	6349839	6349845	6349900	6349926	6349977	6350098
6350363	6350389	6350407	6350416	6350499	6350501	6350587	6350643	6350831	6350869	6350910
6351165	6351378	6351422	6351451	6351664	6351843	6351973	6352071	6352085	6352347	6352440
6352670	6352843	6352865	6353217	6353529	6353770	6354060	6354106	6354381	6354461	6354556
6354584	6354842	6354997	6355260	6355609	6355614	6355634	6355638	6355679	6355683	6355953
6356062	6356419	6356477	6356620	6356712	6356965	6357424	6357654	6357764	6357796	6357980
6358025	6358078	6358194	6358277	6358498	6358541	6358821	6359001	6359028	6359117	6359179
6359264	6359299	6359914	6360218	6360506	6360864	6361071	6361204	6361231	6361360	6361514
6361577	6361644	6362056	6362390	6362558	6362641	6362734	6362850	6363034	6363503	6363506
6363544	6363558	6363618	6364043	6364052	6364175	6364339	6364350	6364698	6365283	6365335
6365702	6365882	6366109	6366134	6366301	6366353	6366432	6366442	6366758	6366821	6367057
6367068	6367222	6367349	6367354	6367490	6367660	6367677	6367872	6368142	6368491	6368555
6368593	6368690	6368753	6369218	6369389	6369537	6369612	6369683	6369794	6369912	6370127
6370208	6370213	6370222	6370233	6370337	6370368	6370860	6370911	6371413	6371650	6371677
6371753	6371855	6371983	6372009	6372151	6372239	6372436	6372454	6372661	6373268	6373475
6373609	6373967	6373978	6374409	6374407	6375189	6375225	6375803	6376283	6376429	6376626
6376632	6376682	6376763	6376967	6376992	6376993	6377034	6377085	6377502	6377507	6377680
6377722	6377868	6378067	6378297	6378316	6378652	6378676	6378869	6378950	6379281	6379464
6379529	6379909	6379984	6380248	6380387	6380411	6380446	6380514	6380739	6380908	6380945
6380970	6381275	6381337	6381344	6382016	6382379	6382515	6383013	6383188	6383251	6383623
6383670	6384315	6384404	6384565	6384568	6384639	6384642	6385142	6385197	6385230	6385420
6385436	6385446	6385529	6386970	6387501	6387590	6387609	6387618	6388050	6388096	6388273

6388358 6388780 6389163 6389227 6389264 6389326 6390175 6390181 6390185 6390192 6390211
6390546 6391344 6391365 6391870 6391893 6391960 6392166 6392368 6392401 6392806 6393329
6393434 6393490 6393671 6394140 6394219 6394404 6394484 6394554 6394636 6395043 6395535
6395576 6395670 6395675 6395791 6395977 6396086 6396390 6396507 6396541 6396879 6397148
6397163 6397251 6397267 6397275 6397308 6397714 6397933 6398012 6398052 6398564 6398779
6398846 6398887 6399048 6399084 6399231 6399242 6399287 6399298 6399301 6399483 6399796
6399875 6399918 6399920 6399930 6400068 6400742 6400792 6400907 6401000 6401218 6401243
6401400 6401446 6401591 6401629 6401659 6401687 6401845 6401903 6401910 6402114 6402129
6402388 6402456 6402576 6402763 6402785 6402958 6403183 6403267 6403294 6403912 6404051
6404079 6404280 6404281 6404290 6404291 6404337 6404383 6404485 6404563 6404610 6404654
6404710 6404729 6404877 6404990 6405008 6405136 6405226 6405273 6405335 6405388 6405400
6405619 6405662 6405777 6405966 6406097 6406152 6406417 6406491 6406561 6406622 6406650
6406654 6406676 6407044 6407243 6407314 6407365 6407366 6407367 6407374 6407377 6407402
6407635 6407767 6407791 6407867 6407920 6408517 6408647 6409228 6409302 6409927 6410327
6410349 6410371 6410488 6410508 6410521 6410640 6410698 6410700 6410709 6410781 6410878
6411109 6411339 6411400 6411963 6411980 6412153 6412471 6412527 6412665 6412674 6413169
6413181 6413594 6413767 6413809 6414036 6414308 6414641 6414741 6414797 6414970 6415019
6415366 6415415 6415416 6415509 6415528 6415532 6415535 6415542 6415544 6415547 6415551
6415573 6415576 6415739 6416196 6416482 6416759 6416794 6416873 6417261 6417377 6417482
6417484 6417933 6417978 6418027 6418270 6418368 6418634 6419029 6420136 6420234 6420709
6420741 6421200 6421216 6421512 6421515 6421970 6422106 6422168 6422398 6422560 6423041
6423093 6423120 6423162 6423201 6423586 6423595 6423747 6424093 6424180 6424201 6424460
6424554 6424857 6425086 6425111 6425438 6425467 6425501 6425514 6425740 6425808 6425828
6425832 6425909 6426013 6426194 6426449 6426757 6427002 6427067 6427081 6427119 6427271
6427503 6427559 6428335 6428416 6428769 6428786 6428839 6429440 6429516 6429822 6429952
6429978 6430121 6430143 6430436 6430765 6431140 6431503 6431599 6431976 6432451 6432459
6432463 6432807 6432811 6432964 6432967 6433264 6433296 6433331 6433406 6433408 6433603
6433679 6433680 6433717 6434208 6434725 6435618 6435649 6435689 6435779 6435847 6435857
6435911 6436166 6436195 6436387 6436499 6436524 6436526 6436551 6436553 6436776 6436800
6436837 6436993 6437520 6437641 6437682 6438116 6438186 6438229 6438388 6438600 6439022
6439102 6439370 6440060 6440121 6440499 6440599 6440717 6440749 6441820 6441823 6441930
6441933 6443017 6443255 6443286 6443912 6444295 6444346 6444691 6445128 6445633 6445825
6446530 6446569 6447377 6447394 6447452 6447717 6447875 6448124 6448371 6448732 6449280
6450048 6450052 6450133 6450292 6450411 6450583 6450585 6450683 6451064 6451124 6451125
6451412 6451557 6452046 6452084 6452582 6452642 6452685 6452787 6452797 6453203 6453375
6453554 6453641 6453659 6453706 6453820 6454253 6454481 6454690 6455303 6455399 6455799
6456477 6456528 6456875 6457319 6457407 6458103 6458137 6458440 6458668 6460200 6460204
6460310 6460383 6460403 6460433 6461596 6461882 6462242 6462287 6462649 6462893 6463756
6464311 6464426 6464822 6465453 6465639 6466286 6466368 6466962 6467573 6467860 6469461
6469866 6470233 6471117 6471451 6471600 6472110 6474295 6474678 6474725 6474969 6476359
6479421 6479545 6479936 6480369 6480845 6480913 6480922 6481189 6481557 6481618 6481919
6483403 6483435 6483507 6484006 6484500 6484977 6486353 6492373 6492425 6493018 6493749
6493753 6493850 6494031 6494303 6499690 6499758 6500872 6501537 6503144 6503153

■ 118842-01 – SunOS 5.10: dada patch

5005976 6235003 6240490

■ 118884-01 – SunOS 5.10: atomic.h patch

4954703

- **118945-01 – SunOS 5.10: Sun Gigabit Ethernet 3.0 driver patch**

6238162 5019183 6240487

- **118959-03 – SunOS 5.10: patch usr/bin/lastcomm and usr/bin/acctcom**

5040580 6200474 6227221 6329114

- **118981-03 – SunOS 5.10: Sun Quad FastEthernet qfe driver**

6238254 6267267 6268767 6293226 6347707 6297366

- **119059-40 – X11 6.6.2: Xsun patch**

4751462 4915967 5016163 6191917 6212502 6216985 6217588 6219170 6219932 6219947 6224159
 6226717 6226733 6227843 6228875 6247062 6248417 6248445 6248453 6255133 6265045 6265414
 6265634 6269938 6270914 6276115 6277903 6278131 6279680 6280222 6297797 6310310 6311410
 6314490 6316436 6319348 6326551 6334067 6338085 6340191 6346811 6347707 6353678 6359918
 6361567 6366490 6370100 6370739 6373433 6376462 6377194 6377837 6378024 6378204 6383556
 6387317 6395871 6397502 6426793 6450316 6453362 6458107 6465805 6502073 6482736 6245381
 6506010 6488392 6487187 6501702 6477636 6525814 6489660 6534483 6526191 6538280 6538290
 6535201 6542279 6496385 6457530 6473929 6513118 6552230 6572562 6551484 6465564 6497669
 6535782 6566519 6597583 6601751 6601756 6618748 6523766 6351300 6380709 6589829 6572087
 6507236 6570556 6550829 6627775 6631254 6635726 6640506 6635720 6635730 6635738 6543140
 6642763 6547713 6278039 6660113

- **119063-01 – SunOS 5.10: libXpm patch**

6231515 6241936

- **119065-01 – SunOS 5.10: fc-cache patch**

6205323

- **119070-04 – SunOS 5.10: Netra-CP2300 Patch**

6197206 6213630 6233445

- **119081-25 – SunOS 5.10: CD-ROM Install Boot Image Patch**

4393815 4649122 4692667 4713660 4716085 4719125 4789211 4947796 5009917 5047412 5064512
 6178185 6198783 6215847 6215918 6218158 6221702 6222925 6242499 6252385 6252388 6254694
 6288726 6290082 6297948 6297950 6301206 6313099 6314149 6319439 6320965 6323208 6323294
 6323511 6329642 6331510 6332093 6332722 6336267 6340350 6340354 6341482 6342039 6343072
 6344771 6347051 6349235 6350819 6351213 6354062 6355905 6356711 6364583 6367162 6369598
 6372101 6372197 6373211 6374024 6376794 6390503 6395264 6406788 6407201 6413159 6422730
 6425215 6425221 6426207 6431490 6432478 6436821

- **119090-25 – SunOS 5.10: Sun iSCSI Device Driver and Utilities**

5094124 5094370 6173739 6173912 6186291 6204742 6206029 6206568 6207172 6207973 6208490
6211472 6211499 6211560 6211924 6212031 6212320 6213484 6213487 6213490 6213516 6214405
6214546 6215262 6216983 6218751 6219608 6220407 6220773 6221284 6221432 6221842 6221880
6222630 6224359 6224866 6226740 6226933 6228489 6230319 6231086 6231706 6233206 6233384
6235292 6236260 6236271 6236375 6239078 6239185 6239207 6240818 6240849 6240911 6241611
6242847 6244250 6244358 6245161 6247445 6249424 6249509 6250036 6251575 6254172 6254222
6255629 6257030 6258672 6259522 6259737 6261483 6261560 6261627 6261669 6262279 6262413
6263279 6263322 6263646 6267539 6267543 6268840 6268934 6271727 6274744 6275410 6276026
6278190 6280621 6282455 6282646 6282686 6284875 6285462 6287318 6288103 6290500 6292453
6293219 6296381 6296407 6296971 6297371 6297390 6298546 6299456 6300099 6300259 6303184
6304963 6306146 6311820 6314187 6314196 6326608 6338487 6340791 6341375 6343904 6344551
6348170 6354973 6357322 6358044 6361661 6361861 6368406 6368415 6370257 6371828 6374756
6375178 6375740 6376509 6377013 6377485 6377558 6378143 6378566 6379890 6380321 6380424
6381723 6382994 6383602 6383806 6388390 6390196 6390387 6391839 6394294 6396274 6396333
6398514 6412468 6416687 6418591 6423706 6449666 6468489 6476060 6476717 6564414 6568295
6601828

■ 119115-33 – Mozilla 1.7 patch

6177442 6221725 6211632 6192644 6200999 6200994 5077554 6200990 6202289 6224482 6225441
6228782 6216830 6224900 6234566 6245856 6247811 6247837 6247838 6247849 6248466 6248468
6248516 6248547 6248557 6248594 6248613 6249777 6249778 6255667 6248548 6249776 6259266
6259860 6259866 6259873 6259902 6260571 6260573 6269887 6261013 6281357 6271958 5015369
6251128 6267169 6281360 6282170 6282190 6284465 6287117 6258444 6297209 6297215 6297218
6297219 6297231 6191277 6200696 6200705 6282893 6297174 6297242 6317624 6318009 6334587
6334619 6339970 6249857 6254398 6352958 6360106 6369969 6384953 6412730 6415128 6415131
6415133 6415135 6415138 6415142 6415143 6424493 6424545 6424548 6424551 6424560 6424563
6424567 6424568 6424573 6424574 6424577 6424579 6391562 6461074 6415123 6447020 6447021
6458750 6458753 6458754 6499438 6488248 6447022 6508400 6508398 6458752 6508395 6514036
6447023 6508397 6458755 6499437 6565136 6564240

■ 119117-42 – Evolution 1.4.6 patch

6204976 6201742 6218068 6182553 6206223 6216041 6231010 6222258 6251188 6262120 6272983
6259214 6249871 6253417 6279337 6297294 6299994 6303111 6182358 6198500 6206245 6221676
6300019 5099374 5106735 6306915 6226019 6312129 6321792 6323770 6335859 6306791 6305171
6210993 6221680 6211080 6301782 6330472 6330479 4992018 6335855 6346038 6349674 5054558
6350965 6342113 6336425 6367678 6369109 6381422 6380083 6300007 6354689 6375476 6376155
6389050 6369082 6374285 6367965 6336385 6327483 6330477 6414603 6307047 6430888 6439788
6458897 6445216 6465437 6469628 6391724 6290981 6475882 6432279 6401341 6455354 6469753
6402585 6420534 6513199 6520675 6398627 6527123 6526936 6431169 6531957 6535815 6535771
6402040 6535828 6556379 6577610 6615036 6594260 6522972 6487227

■ 119130-33 – SunOS 5.10: Sun Fibre Channel Device Drivers

4368092 4704353 4792071 4961555 4976582 4998402 5077933 5091288 5091773 5094714 6198588
6205269 6207101 6207184 6207845 6210934 6214931 6215726 6216326 6216743 6220173 6221242
6225769 6227340 6227562 6233352 6233800 6235327 6235886 6238787 6250038 6254848 6258722
6260549 6261607 6270092 6276354 6279071 6279108 6283597 6286318 6288500 6288908 6290618
6292280 6292446 6292987 6295169 6296383 6298259 6298288 6300113 6304555 6306254 6311175

6311314 6313089 6316063 6317420 6317985 6319731 6320936 6321523 6323973 6325525 6326293
 6326600 6326602 6326608 6328146 6328827 6329995 6330800 6331949 6337290 6341027 6342934
 6343904 6344143 6345310 6346519 6349983 6350809 6355378 6356559 6360849 6361031 6366792
 6371273 6373288 6374654 6378014 6378371 6379312 6379866 6379955 6380370 6381878 6381991
 6385531 6386247 6387150 6388097 6390139 6390636 6390807 6390817 6390862 6391226 6394475
 6395930 6399058 6402322 6402861 6410934 6411995 6418616 6420986 6429517 6430552 6439492
 6439910 6442233 6450711 6452811 6454469 6459762 6465379 6467850 6468249 6468584 6480827
 6484172 6487389 6499451

■ **119143-02 – SunOS 5.10: patch lib/libinetutil.so.1**

6220609

■ **119201-29 – SunOS 5.10: OS Localization message patch**

6232516 6218356 6210085 6209742 6237404 6255735 6278006 6270754 6284429 6305523 6309435
 6336898 6375499 6426585 6453980 6459737 6468576 6476637 6481488 6493239 6513057 6513953
 4987330 6495344 6339580 6413124 6549999 6555236 6609418 6570250 6659132

■ **119213-16 – NSS_NSPR_JSS 3.11.8: NSPR 4.6.8 / NSS 3.11.8 / JSS 4.2.5**

6237228 6237231 6243892 6243894 6243895 5045171 6243896 6243900 6243905 6243907 6243909
 6243913 6243915 6243916 6243918 6250799 6250801 6250802 6250803 6250807 6250808 6250812
 6250814 6250816 6251104 6258052 6258053 6258055 6258056 6258057 6258061 6258062 6258064
 6258066 6260111 6260658 6302177 6333604 6326988 6326994 6326998 6327000 6327002 6242112
 6327004 6327009 6327013 6253118 6327014 6327018 6210080 6327020 6327021 6315463 6341685
 6341687 6264996 6330310 6350173 6359866 6362932 4689266 6377957 6407468 6406845 6374429
 6416004 6419586 6419590 6421471 6442985 6442986 6442988 6442990 6442993 6427037 6442994
 6442995 6464665 6464668 6464671 6464756 6464673 6464677 6464680 6464767 6465317 6464683
 6468441 6464752 6228370 6464757 6468410 6464759 6464762 6464764 6464766 6467643 6468495
 6467033 6491238 6488060 6493492 6507762 6507627 6423970 6524565 6524651 6555587 6555589
 6547236 6555590 6555588 4926429 6524809 6560823 6605712 6526738 6624319 6549319 6624326
 6624328 6624329 6624331 6624334 6624335 6624337 6624338 6624342 6624343 6624344 6624346
 6624348 6624350 6624351 6624352 6624354 6624356 6580347 6596161

■ **119246-32 – SunOS 5.10: Manual Page updates for Solaris 10**

5064068 6222503 6463580 6557002 6575019 6585834 6586691 6617266 6650274 6657712 6662322
 6664033 6664292 6664756 6666774 6666910 6667270 6667469 6667673 6269143 6377578 6441328
 6620226 6639590 6657360 6353020 6407838 6407987 6462675 6497300 6508742 6524164 6531626
 6532236 6575605 6591812 6608375 6624353 6631570 6648442 6649470 6651291 6651695 6651911
 6651995 6652731 6652893 6653176 6653222 6655369 6655453 6656048 5064064 6558450 6558455
 6580215 6609310 6614552 6636661 6640296 6640650 6645981 6646996 6647508 6649245 1250340
 4693569 6249909 6314190 6316786 6324707 6344230 6369512 6372772 6378626 6385048 6400692
 6402509 6408751 6409371 6415268 6420322 6421256 6427038 6447195 6455691 6455814 6458246
 6459971 6468431 6468454 6468981 6470537 6473330 6474412 6479356 6480178 6484742 6510821
 6514252 6516186 6519547 6521528 6525416 6530716 6536500 6543733 6546659 6549094 6549378
 6557114 6557139 6558843 6561486 6562708 6568012 6568014 6568103 6571030 6571408 6573884
 6576053 6576505 6577424 6577557 6577879 6577930 6577942 6578229 6579453 6579456 6581781
 6582548 6582947 6584775 6584909 6587210 6587824 6588465 6588565 6590542 6592153 6593233

6595327	6596597	6596957	6597023	6597779	6597780	6597901	6601611	6601627	6601646	6601992
6602925	6604289	6604291	6606214	6608290	6608295	6608384	6608674	6512908	6569447	6569449
6441383	6441469	6442791	6544385	6556062	6565495	6568009	6568668	6568842	6568972	6569265
6569287	6569461	6569800	6571967	6572494	6573100	6574081	4932187	5089292	6424431	6452917
6491763	6492618	6538327	6544176	6557110	6557112	6557731	6558182	6558358	6558681	6559533
6559690	6559994	6560000	6560031	6560094	6561564	6561845	6561918	6562127	6562146	6562338
6562932	6562934	6563782	6564661	6565744	6565885	6567011	6567825	6568313	6268608	6453513
6458491	6475435	6482082	6513975	6522984	6533164	6535992	6540050	6542210	6542816	6543148
6543600	6545132	6548232	6549988	6553040	6553637	6553723	6554074	6554385	6554386	6554678
6555440	6556655	6557048	6557148	6266902	6273127	6338497	6385791	6385971	6391765	6412518
6416817	6416818	6416819	6416820	6425220	6427533	6450655	6452152	6452155	6458191	6487476
6488510	6489948	6495673	6497299	6500495	6500937	6502175	6502404	6509209	6509210	6509211
6516528	6516941	6519017	6524213	6528262	6534254	6542182	6542231	6542939	6543218	6546441
6546542	6546624	6546944	4931322	6241808	6245190	6258487	6266829	6267417	6268843	6272871
6317196	6320929	6338390	6358338	6361814	6365553	6372304	6372826	6377539	6378187	6385114
6385124	6388644	6390018	6399662	6399678	6399709	6401804	6403266	6405492	6406490	6406492
6406495	6407952	6409890	6411356	6412111	6415277	6415986	6435935	6437070	6439807	6442908
6444237	6444624	6445051	6446130	6448584	6450656	6450747	6451287	6452144	6452893	6452894
6454335	6457472	6458397	6463250	6464141	6465609	6466130	6466235	6466280	6466287	6469452
6469454	6472741	6473259	6474652	6474985	6475438	6477234	6477245	6478458	6478824	6478827
6480002	6480385	6480386	6480434	6480469	6481405	6481938	6482205	6482671	6483704	6483803
6484552	6485850	6486500	6488253	6488307	6489928	6491406	6491572	6492113	6492458	6493191
6495676	6495679	6495931	6497199	6497298	6497301	6498406	6500043	6506790	6507155	6507237
6508226	6509208	6509310	6509521	6510047	6510071	6510409	6510677	6510803	6511579	6512137
6513606	6513987	6515153	6515820	6517197	6517522	6517571	6517572	6518353	6518739	6519747
6520229	6520667	6521197	6521341	6521982	6522335	6522386	6525807	6526228	6526286	6528767
6529731	6530458	6531333	6532855	6533129	6534335	6534397	6534444	6534458	6534481	6539624
6540257	6541651	6542568	6540425	6478952	6480976	6482739	6284176	6477044	6477048	5087481
6323754	6360199	6396033	6434153	6434194	6453380	6466844	6471509	6471941	6472034	6343735
6349173	6349176	6368000	6376459	6390015	6393131	6395051	6401024	6405529	6417482	6417484
6422342	6430651	6432304	6432982	6445234	6445848	6447394	6447804	6452787	6453820	6460197
6464875	6465710	6466031	6467496	6468605	6266413	6288724	6326478	6327879	6335080	6352894
6361027	6365341	6366230	6376482	6378067	6382980	6385484	6385494	6385502	6385507	6385509
6385511	6387364	6390465	6391010	6393938	6393943	6393944	6395119	6395131	6395132	6395133
6395134	6396279	6396285	6396904	6396906	6397171	6397884	6398396	6398493	6406100	6406596
6408477	6412645	6414144	6426047	6426471	6427149	6428601	6432963	6437503	6438376	6439003
6442367	6443517	6444550	6445174	6445233	6452661	6452797	6453361	6453375	6453658	6453669
6454284	6457913	6458208	6458687	6459135	6459750	6460323	6460550	6461386	6461574	6462038
6462372	6463744	6465629	6186484	6248837	6262702	6315539	6315541	6340509	6343529	6351530
6353091	6379984	6380387	6380411	6385142	6392184	6400962	6404826	6407957	6410349	6414900
6417201	6417748	6417925	6419172	6419899	6420763	6421512	6422121	6422166	6422168	6423729
6423869	6423891	6427607	6429952	6429978	6431019	6433593	6433601	6438116	6438336	6439605
6439855	6441097	6441367	6442447	6445753	6446000	6446545	6447244	6447870	6447932	6448542
6449218	6450428	6450467	6451041	6451072	4918616	6260536	6361909	6388875	6399169	6400540
6402326	6403818	6410372	6410607	6410629	6413329	5074864	6227556	6241231	6297480	6357814
6367083	6368344	6377211	6390674	6399720	6401869	6405191	5000242	5048768	6248370	6251550
6264241	6265527	6273549	6309942	6309950	6309954	6309959	6309966	6335374	6360471	6369297
6378785	6378792	6378795	6378798	6387596	6389748	6392088	6392094	6394580	6395226	6395794

6396295 6397873 6398254 6398715 6401571 6202570 6213474 6230447 6248553 6278103 6282636
 6324208 6336865 6337579 6338117 6339732 6341066 6341867 6342730 6342739 6343592 6344010
 6348739 6350275 6358301 6380325 6385850 6386135 6387327 6389147 6389721 6389863 6391131
 6394491 6394575 4901741 5010904 5046150 5057188 5079401 6198346 6206711 6222499 6224791
 6228270 6237890 6268924 6291156 6296648 6305677 6314222 6326636 6329967 6333670 6338414
 6338426 6338428 6338435 6340085 6340800 6340921 6341018 6341603 6341728 6342497 6342919
 6345681 6345917 6345921 6346244 6346881 6347426 6348073 6348185 6348236 6349474 6349904
 6350722 6350982 6353408 6353413 6353415 6353927 6354469 6355110 6355449 6357973 6358663
 6359325 6359338 6359342 6360329 6362109 6366627 6366665 6369177 6370094 6370876 6372481
 6372487 6374108 6374650 6375299 6375473 6375593 6376576 6379147 6382231 6382311 6382966
 6383180 6384009 6384027 6384095 6237607 6238503 6264591 6291976 6328991 6335997 6337445
 6339859 6341814 6341845 6343184 4754411 6211237 6226954 6231497 6232483 6237082 6259813
 6290845 6294809 6294811 6294812 6296740 6297786 6301361 6306533 6308447 6309398 6319339
 6324864 6328540 6328541 6329060 6330016 6330062 6330188 6330671 6331047 6331055 6331331
 6331841 6332029 6332677 6337869 6338057 6339627 6204577 6221309 6241099 6242990 6248877
 6255008 6258334 6258339 6286409 6288555 6309363 6313868 6317846 6318461 6320393 6321596
 6322368 6322669 6322739 6322863 6323460 6323484 6324148 6324248 6324420 6324858 6325356
 5032018 5044715 6213568 6219083 6227560 6227561 6239801 6240066 6266903 6270406 6284937
 6291991 6293104 6298241 6300498 6300514 6301501 6302861 6303663 6304180 6305130 6305702
 6305923 6306228 6306246 6306391 6306499 6309411 6310305 6312151 6316296 2123343 2123344
 2125584 5107445 6176645 6192812 6218160 6219867 6229028 6231508 6236743 6239205 6247514
 6248484 6249686 6249689 6249985 6259275 6275178 6280439 6281184 6289748 6289985 6291968
 6292324 6293276 6293905 6293994 6295135 6295164 6295455 6295501 6295606 6295883 6295885
 6295972 6298238 6299871 6301701 6302598 6175259 6186292 6213557 6219322 6244794 6247949
 6256977 6259276 6267730 6268875 6274065 6275116 6275182 6275486 6276860 6277917 6278481
 6279864 6279996 6178430 6199201 6215789 6227520 6242411 6242412 6245230 6247046 6248312
 6249005 6249691 6259032 6259382 6260165 6261039 6261047 6262466 6263124 6266052 6266054
 6266570 6267911 6270039 6270071 6271056 6274141 2123236 5087622 6190827 6196727 6209285
 6218778 6222501 6225497 6235402 6241181 6247652 6251475 6252447 6253481 6256136 5090875
 6207391 6212233 6217156 6217716 6222749 6227376 6242519 6242876 6243333 6244894 6245209
 6245842 6246422 6247757 6250396 6250515 2122825 2122940 5008956 5038387 5043371 5046429
 5069521 5095891 5096574 5104556 5108949 6182303 6193595 6194741 6195276 6195547 6198061
 6200093 6201988 6202122 6205275 6208084 6209281 6210273 6211790 6211903 6212029 6212232
 6212654 6212836 6213475 6213502 6213507 6213536 6214276 6214973 6215139 6215474 6215475
 6216789 6216851 6217406 6218320 6218842 6218986 6219657 6219660 6219661 6219671 6220014
 6220161 6220729 6220859 6221541 6221589 6221625 6221733 6221891 6222153 6222369 6222447
 6222663 6222727 6223264 6223570 6224890 6225126 6225266 6225304 6225337 6225421 6225486
 6225503 6225575 6225624 6225693 6229095 6229654 6229957 6230305 6230958 6231259 6231325
 6231382 6231455 6231505 6231794 6232091 6233524 6233764 6233884 6233891 6233909 6234453
 6235323 6236959 6236965 6237101 6237254 6237389 6237405 6237708 6237832 6237835 6238687
 6240599 6240819 6241622 6243286

■ **124628-05 – SunOS 5.10: CD-ROM Install Boot Image Patch**

5110062 6272742 6438773 6439322 6445230 6450040 6467841 6472014 6473406 6474558 6476699
 6480302 6481557 6517432 6560182 6561505

■ **119252-22 – SunOS 5.10: System Administration Applications Patch**

4358280 4592896 4649122 4692667 4698357 4760117 4921333 4952774 4964874 5009917 5101364
5110062 6179110 6198291 6211620 6221551 6252385 6252388 6265069 6298572 6311509 6342179
6343364 6353146 6386531 6404878 6421783 6438773 6439322 6445230 6460674 6493882 6517432
6518670 6520766 6547635 6549254 6556681 6561505

- **126538-01 – SunOS 5.10: i.manifest and r.manifest patch**

6209178 6494213

- **124393-06 – CDE 1.6: Dtlogin smf patch**

6200922 6444304 6389083 6463474 6460522 6506600 6523702 6505800 6619673 6602184

- **123611-03 – X11 6.6.2: Trusted Extensions patch**

6395871 6435331 6526120

- **119280-17 – CDE 1.6: Runtime library patch for Solaris 10**

6209386 6255303 4750419 6262671 6241938 6347707 6382405 6360671 6401791 6401561 6403918
6426804 6416269 6405981 6487366 6464045 6487031 6489613 6548554 6548563 6556434 6628869
6651097 6659590

- **119278-20 – CDE 1.6: dtlogin patch**

4383440 5046689 6209544 6211096 6234179 6240729 6247943 6263134 6267572 6289158 6300285
6327614 6328101 6332653 6334271 6334517 6340843 6342881 6362895 6386254 6405883 6405981
6409991 6416269 6432396 6445129 6460250 6465777 6524040 6537588 6537603 6559173 6550196
6633882 6616853 6462945 6627150 6647265

- **121734-07 – SunOS 5.10: patch to support addition of new UTF-8 locales**

6303757 6314560 6338821 4937197 6326805 6380372 6400651 6404973 6425697 6447274 6509175
6285387

- **119262-07 – SunOS 5.10: Patch for Central European Region locale issues**

6222362 6227384 6255292 6249315 6338196 6347707 6336555 6318932 6403522 6346087 6309622
6280189 6395212 6316938 6435355 6484316 6521445

- **119276-09 – SunOS 5.10: Patch for Northern Europe Region locale issues**

6227384 6255292 6276095 6249315 6338196 6347707 6318932 6375175 6403522 6346087 6280189
6394467 6395212 6316938 6484316 6521445

- **119282-01 – CDE1.6: GNOME/CDE Menu for Solaris 10**

6224922

- **119284-01 – CDE 1.6: sdtwsinfo patch**

6215091

- **119286-02 – CDE 1.6: dtterm libDtTerm patch**

6219941 6554559

- **119309-03 – SunOS 5.10: PGX32 Graphics**

6231238 6222319 6218355 6256782

- **124188-02 – SunOS 5.10: Trusted Solaris Attributes Patch**

6396510 6481568

- **121308-12 – SunOS 5.10: Solaris Management Console Patch**

4760846 5016983 5090761 6179516 6183058 6365746 6365758 6378956 6383511 6389712 6396510
6407617 6434217 6434535 6461461 6479965 6513080

- **119313-19 – SunOS 5.10: WBEM Patch**

4760846 4872697 5006767 5016983 6183058 6212927 6235892 6242775 6252385 6252388 6255908
6265069 6277884 6361917 6378956 6383511 6389712 6396510 6407617 6422915 6422984 6468951
6480462 6500334 6505934 6514347 6524944 6579845 6672970 6678189

- **119315-12 – SunOS 5.10: Solaris Management Applications Patch**

4418366 4770830 5080683 5092418 6192017 6196606 6242775 6327965 6361917 6378956 6383511
6396510 6407617 6413085 6422915 6435553 6471594 6478291 6569127 6636032

- **119317-01 – SunOS 5.10: SVr4 Packaging Commands (usr) Patch**

6202830

- **120460-13 – GNOME 2.6.0: Gnome libs Patch**

6242857 5087948 5088844 6216594 6306889 6301837 6231341 6305090 6347224 6348450 6394047
6393698 6393714 6393724 6393731 6405059 6404437 6402894 6428130 6375968 6471890 6521773
6562288 6583784

- **119368-05 – GNOME 2.6.0: Printing Technology Patch**

5083233 6200941 6263422 6231341 6305090 6347224 6418897

- **119372-02 – GNOME 2.6.0: GNOME common development tools and libraries Patch**

6230101 6200654

- **119397-07 – SunOS 5.10: Patch for North America Region locale issues**

6227384 6255292 6249315 6338196 6347707 6318932 6354302 6346087 6280189 6395212 6316938
6484316 6618050

- **119399-07 – SunOS 5.10: Patch for Central American Region locale issues**

6228240 6255292 6249315 6338196 6318932 6354302 6346087 6280189 6395212 6316938 6484316
6618050

- **119401-09 – SunOS 5.10: Patch for Western Europe Region locale issues**

6227384 6255292 6249315 6338196 6380900 6318932 6375175 6403522 6346087 6280189 6305220
6394467 6395212 6316938 6484316 6618050

- **119404-07 – SunOS 5.10: Patch for South American Region locale issues**

6228240 6255292 6249315 6338196 6318932 6354302 6346087 6280189 6395212 6316938 6484316
6570559 6618050

- **119407-08 – SunOS 5.10: Patch for Eastern Europe Region locale issues**

6228243 6228192 6255292 6249315 6338196 6347707 6346843 6314583 4944311 6367674 6383002
6399124 6375175 6403522 6346087 6280189 4997058 6395212 6316938 6505106 6484316

- **12212-25 – GNOME 2.6.0: GNOME Desktop Patch**

4788904 4899270 5011528 5028758 5032088 5037390 5037397 5054339 5054519 5056390 5072848
5088581 5108742 6174227 6174239 6179500 6191372 6193275 6195818 6197950 6200000 6200326
6200485 6202413 6202416 6203727 6205402 6208184 6209566 6210443 6211279 6214222 6214486
6217648 6218072 6218831 6222326 6225051 6230090 6230098 6232275 6232578 6234837 6234894
6237403 6238031 6239595 6239962 6244269 6247833 6248517 6250742 6251220 6253594 6255199
6255964 6261299 6262830 6263045 6267922 6271501 6273175 6277164 6291127 6298139 6303219
6303664 6312736 6312879 6314534 6317578 6324700 6340714 6340716 6347227 6347360 6354209
6354812 6363035 6363752 6371901 6385401 6389444 6393698 6393714 6393724 6393731 6398671
6402088 6402894 6404286 6404437 6405059 6405923 6406972 6411797 6418344 6421852 6424152
6424743 6426293 6426326 6427706 6429887 6432728 6437405 6440923 6446780 6446935 6450436
6451420 6451577 6455491 6456258 6456363 6457141 6457350 6458563 6459430 6464582 6464949
6472442 6477272 6486295 6491244 6501883 6502936 6515121 6555135 6556913 6561342 6569966
6569992 6573285 6586812 6593696 6599865 6648538

- **119410-05 – GNOME 2.6.0: Gnome Applets Patch**

6205402 6245563 6207273 6393698 6393714 6393724 6393731 6405059 6404437 6402894 6232275

- **119414-14 – GNOME 2.6.0: Gnome Accessibility Libraries Patch**

6192805 6205225 6182499 6182502 6217152 6192693 6205004 6216843 6226723 6228329 6260441
6283137 6315241 4768049 6347858 6340516 6358227 6386230 6199929 6407595 6431039 6377106
6437617 6468296 6486458 6534092

- **119416-01 – GNOME 2.6.0: Gnome Text-To-Speech Engine Patch**

6216843 6226723 6228329

- **119418-04 – GNOME 2.6.0: Gnome On-screen Keyboard Patch**

5109895 6200712 6211656 6223576 6405961 6364326 6329929 6574969

- **119420-01 – SunOS 5.10: Thai locale patch**

6235012

- **119470-13 – SunOS 5.10: Sun Enterprise Network Array firmware and utilities**

5046910 5076769 5079007 6201060 6204512 6234959 6235886 6247521 6250956 6250957 6274205
6285969 6309346 6339658 6347707 6384885 6395087 6397672 6494611 6534722 6551944 6588281

- **120199-11 – SunOS 5.10: sysidtool patch**

4716085 5110062 6194680 6220706 6239897 6268847 6404131 6404878 6421783 6438773 6439322
6445230 6517432 6555501

- **119534-13 – SunOS 5.10: Flash Archive Patch**

4947796 4956004 5031468 5081174 6216373 6225430 6256048 6267370 6301206 6306712 6322333
6323294 6330261 6382817 6388619 6416737 6445230 6452449

- **119538-14 – GNOME 2.6.0: Window Manager Patch**

6200511 6182510 6227065 6204338 6393698 6393714 6393724 6393731 6405059 6404437 6402894
6455491 6433759 6424031 6424017 6459957 6404286 6406972 6468212 6407497 6588919 6501883
6586812

- **119540-07 – GNOME 2.6.0: Gnome Dtlogin configuration Patch**

6197950 6248517 6214486 6206909 6492870 6532300 6425609

- **119544-03 – GNOME 2.6.0: Gnome streaming media framework Patch**

6226060 6227666 6226597

- **120099-08 – APOC 1.2: Sun Java(tm) Desktop System Configuration Shared Libraries**

6265312 6278049 6293945 6363692 6387982 6406269 6442745 6512760 6527486

- **119546-08 – APOC 1.2: APOC Configuration Agent Patch**

6241546 6257229 6258281 6278047 6293945 6313943 6363692 6386010 6389918 6387976 6391134
6388397 6414406 6417504 6417522 6417539 6391879 6527487 6527489 6506513

- **119548-12 – GNOME 2.6.0: Gnome Multi-protocol instant messaging client Patch**

6217610 4990149 6268932 6269430 6328008 6199135 6333181 6465423 6481367 6437316 6547723
6556818 6600376 6629743

- **119555-04 – SunOS 5.10: Software to support QLogic Ultra3 SCSI host bus adapters**

4895884 6219159 6220200 6343904 6415097

- **119570-01 – SunOS 5.10: lw8 Patch**

5090037

- **119574-02 – SunOS 5.10: su patch**

6213281 6219721 6219774 6243480

- **119583-01 – SunOS 5.10: memory classification header file patch**

4818484 6198521 6253955

- **119598-08 – GNOME 2.6.0: Gnome Screen Reader and Magnifier Patch**

6205770 6191352 6207171 5083128 6205765 6202337 6200573 6186020 5095976 6315934 6202897
6193299 6239339 6240135 6373775 6340786 6380184 6434160 6468296

- **119601-12 – SunOS 5.10: Patch for European Region JDS messages**

4929548 4957762 6176784 6179511 6180730 6186577 6250683 6263015 6274401 6287987 6296998
6308186 6336423 6342833 6382651 6401474 6408317 6454615 6457091 6461902 6467056 6493973
6526362 6527359 6546801 6586113

- **119603-08 – SunOS 5.10: Patch for Asian Region JDS messages**

4932571 4957762 6176784 6250683 6263015 6294274 6297892 6308186 6312176 6336423 6408317
6454615 6461902 6493973 6526362 6586113

- **119605-08 – SunOS 5.10: Patch for Japanese JDS messages**

6176784 6250683 6263015 6308186 6336423 6408317 6454615 6461902 6493973 6526362 6586113

- **119648-03 – SunOS 5.10: vlan driver patch**

5097913 6216827 6421519 6313896

- **119703-11 – S10: localeadm patch**

6293965 6192791 6286551 6189823 6252055 6249315 6338196 6339465 6350486 6384012 6390202
6412760 6221121 6221131 6416912 6430375 6430484 6408147 6423974 6237192 6423979 6339607
6197142 6526633 6520204

- **119721-02 – SunOS 5.10: usr/lib/efcode/sparcv9/interpreter patch**

6251093 6281038

- **119876-05 – SunOS 5.10: FJSV,GPUU platform links patch**

6265507 6285132 6343503 6348606 6369580

- **119728-03 – SunOS 5.10: FJSV,GPUU platform fmd.conf patch**

6249544 6265507 6369580 6392462

- **120272-17 – SunOS 5.10: SMA patch**

6191915 6243363 6243366 6244918 6247942 6298133 6299309 6314112 6314978 6347707 6349493
6349495 6349499 6349501 6367337 6368319 6408492 6420118 6426297 6438781 6441943 6456725
6472768 6473670 6487782 6490830 6494645 6496216 6498228 6503504 6527505 6531274 6536316

6540271 6545840 6553315 6554658 6564641 6578037 6617654

■ **122640-05 – SunOS 5.10: zfs genesis patch**

6276934 6280668 6285992 6322005 6322205 6335370 6338081 6338386 6338653 6341429 6343608
 6365101 6381344 6392291 6393003 6393443 6395670 6396049 6396628 6397071 6397267 6398177
 6398380 6398622 6398664 6398713 6399272 6399301 6399767 6399899 6399918 6399930 6400742
 6402388 6402569 6402598 6403294 6405008 6406959 6407365 6407366 6407367 6407377 6407444
 6407635 6407791 6407842 6408482 6409927 6410371 6410698 6410700 6410709 6410711 6410836
 6411780 6413125 6413573 6413731 6416101 6420920 6422565 6423046 6424405 6426323 6435700

■ **126897-02 – SunOS 5.10: Fault Manager Patch**

6349862 6365629 6365633 6365645 6369762 6371683 6379529 6381172 6393267 6408988 6410884
 6411941 6414703 6414871 6414938 6417265 6417268 6418474 6419724 6421336 6421451 6427002
 6427423 6427559 6432953 6434264 6439235 6440121 6445128 6445887 6448956 6449001 6449076
 6449954 6450734 6451146 6460405 6461124 6461148 6465541 6471117 6482512 6498305

■ **127755-01 – SunOS 5.10: Fault Manager patch**

4979014 6193463 6193662 6195325 6239835 6252904 6255063 6268345 6279682 6293593 6321477
 6324053 6333178 6342696 6343294 6343361 6345661 6346507 6347217 6349862 6349876 6350627
 6354315 6362846 6365557 6365571 6371203 6371683 6372207 6372709 6373293 6376848 6376946
 6380684 6382913 6382917 6382925 6382930 6384772 6388410 6390177 6396916 6399876 6399927
 6400607 6404180 6404436 6405256 6408988 6411355 6419833 6420932 6421101 6421449 6422759
 6424822 6426365 6426478 6427994 6429072 6434201 6437505 6438237 6440395 6443847 6443849
 6444564 6446415 6448718 6450416 6451677 6452185 6456918 6457153 6457970 6457992 6458982
 6459000 6462237 6464740 6466248 6467144 6468723 6473807 6473811 6473819 6473916 6473918
 6476548 6476919 6477382 6477385 6477426 6477430 6477442 6477446 6477453 6477456 6477461
 6480629 6480930 6481208 6482512 6485057 6486965 6486977 6490519 6491720 6491762 6491773
 6493219 6494939 6495169 6496337 6496714 6496757 6496850 6498181 6498195 6498201 6499304
 6502204 6502549 6502660 6502949 6504751 6505708 6506108 6506208 6506622 6509315 6509757
 6510226 6510228 6510717 6511726 6512947 6513538 6513804 6516824 6518718 6518722 6518796
 6519375 6519408 6520142 6520375 6520386 6520501 6520901 6521246 6521861 6521864 6521869
 6526909 6527547 6528153 6528685 6529553 6530948 6536452 6536564 6539019 6540047 6552048
 6552856 6555938 6556594 6560061 6572551 6591930 6594506 6629672

■ **125503-02 – SunOS 5.10: package-move-of-IP-objects patch**

6575034 6577318

■ **125547-02 – SunOS 5.10: zoneadm indirect dependency patch**

6576146 6580974

■ **126419-01 – SunOS 5.10: umountall patch**

6575177

■ **120011-14 – SunOS 5.10: kernel patch**

1085341	1236941	1248254	1253974	4034947	4063945	4069191	4157198	4261677	4304959	4305127
4317114	4338634	4369168	4396195	4406529	4412959	4508683	4516075	4521202	4529113	4614772
4629135	4631155	4652746	4667251	4691104	4691624	4696964	4705220	4728609	4740951	4754856
4765561	4768758	4795652	4797442	4799697	4804793	4825216	4840845	4863327	4865670	4873799
4875480	4875636	4882852	4892188	4892867	4894692	4900516	4912568	4927198	4931229	4932150
4937832	4952533	4954703	4963280	4963285	4963287	4963315	4963361	4963362	4963365	4963368
4963372	4964162	4966416	4970365	4970475	4970596	4970603	4971371	4971789	4974005	4978063
4978517	4979596	4979830	4981132	4984263	4986360	4987141	4991139	4994285	4996426	4997903
5002139	5004247	5004701	5005887	5007891	5008923	5009112	5019131	5022506	5022513	5023347
5024997	5026227	5027528	5028908	5033325	5033725	5039325	5039559	5039974	5040248	5041214
5046881	5048068	5049028	5049946	5053609	5057154	5057756	5062168	5062645	5063193	5067964
5068886	5076562	5080012	5080843	5081834	5083131	5083593	5085664	5087929	5090022	5094575
5094589	5094814	5096736	5096886	5097644	5099921	5103071	5108961	6180161	6181364	6181751
6181773	6183842	6186472	6188656	6188861	6193493	6194576	6196062	6196716	6197234	6197410
6197606	6198296	6198523	6199119	6199500	6201153	6201866	6202015	6202359	6202564	6203833
6204066	6205056	6207181	6207403	6207608	6207705	6207974	6208638	6208976	6209214	6211662
6211845	6213631	6214106	6214460	6214687	6214698	6214824	6215000	6215066	6215509	6215817
6216286	6216464	6216522	6217454	6217718	6217870	6217899	6218014	6218030	6218168	6218378
6218993	6219101	6219146	6219276	6219389	6219636	6220012	6220119	6220136	6220169	6220366
6221091	6221396	6221553	6221584	6222025	6222046	6222477	6222529	6222935	6223178	6223353
6223370	6223375	6223674	6223908	6224192	6224685	6224806	6225323	6225601	6226428	6226635
6226862	6227744	6227969	6228013	6228358	6228652	6228655	6228760	6229087	6229145	6229583
6230025	6230033	6230146	6231291	6231450	6231466	6231467	6231468	6231612	6231905	6231964
6232253	6232309	6232648	6232671	6232870	6233613	6234525	6235141	6235271	6235357	6236011
6236015	6236019	6236023	6236029	6236885	6236895	6237001	6237196	6237363	6237411	6237801
6238177	6238277	6238962	6239551	6239739	6239838	6239840	6239984	6240363	6240605	6240909
6241740	6241782	6241837	6242059	6242262	6242434	6242768	6242993	6243434	6243770	6244042
6244217	6244343	6244408	6244411	6244642	6245233	6245378	6245401	6245935	6246898	6247126
6248163	6248414	6248700	6248745	6249025	6249135	6249718	6249813	6250211	6252216	6253744
6253934	6254029	6254145	6254191	6254431	6254960	6255593	6256157	6256312	6256372	6256581
6258318	6258804	6258976	6259341	6259973	6259998	6260523	6260724	6261002	6261084	6261685
6261894	6262086	6262333	6262573	6263096	6264137	6264225	6264487	6264573	6264753	6265017
6265403	6265417	6265494	6265542	6265569	6265737	6266155	6266365	6266851	6266870	6266950
6266978	6267684	6267748	6267828	6268124	6268224	6268229	6268916	6269042	6269046	6269200
6269422	6269601	6269607	6269805	6270212	6270215	6270225	6272558	6272568	6272993	6273003
6273316	6274184	6274647	6274653	6274668	6274840	6274877	6275585	6275597	6276101	6276515
6276916	6276925	6276979	6277961	6278018	6278068	6278192	6278442	6278983	6280209	6280390
6281100	6281113	6281202	6281206	6281236	6281585	6281772	6281951	6282049	6282121	6282214
6282641	6282866	6283165	6283570	6283655	6284455	6284640	6284864	6284880	6284968	6285539
6285735	6286167	6286434	6286625	6287497	6288029	6288488	6289221	6289517	6289595	6290613
6291378	6292050	6292076	6292874	6292928	6293006	6293271	6293332	6294795	6295037	6295417
6295554	6295588	6295662	6295808	6296681	6297849	6298425	6298438	6298484	6298972	6298974
6298981	6299045	6299048	6299091	6299480	6299947	6300246	6300280	6300853	6301080	6301082
6301083	6301084	6301086	6301087	6301088	6301091	6301500	6301942	6302167	6302778	6302802
6302827	6303236	6303398	6303418	6303593	6303594	6303764	6303770	6304206	6304467	6304566
6304815	6304960	6305400	6305443	6305465	6305641	6305794	6305824	6306370	6306667	6306668
6307146	6307274	6307457	6307498	6307539	6307568	6307994	6308413	6308632	6308796	6308939
6308948	6308953	6308974	6309410	6309430	6309681	6310003	6310079	6310083	6310438	6311010

6311020 6311037 6311268 6311713 6311947 6311952 6311956 6311958 6311960 6311963 6311975
6311976 6311990 6312034 6312329 6312678 6312914 6313012 6313214 6313488 6313519 6313638
6313668 6313670 6313929 6314073 6314098 6314433 6314444 6314484 6314996 6315028 6315033
6315034 6315035 6315037 6315087 6315190 6315975 6316660 6316708 6317027 6317107 6317350
6318308 6318536 6319069 6320437 6320438 6320439 6320440 6320443 6320445 6320447 6320449
6320651 6320871 6320980 6321016 6321244 6321272 6321353 6321414 6321540 6321858 6322005
6322205 6322258 6322272 6322672 6322760 6323319 6323322 6323393 6323531 6323554 6323578
6324149 6324319 6324582 6324924 6324927 6325373 6325408 6325885 6326077 6326078 6326173
6326497 6326505 6326531 6326584 6326650 6326664 6326737 6326764 6326796 6326834 6327032
6327139 6327926 6328144 6328222 6328758 6329025 6329114 6330081 6330111 6330766 6330782
6330787 6331093 6331159 6331216 6331246 6331916 6331963 6332245 6332338 6332347 6332352
6332476 6332721 6332949 6333081 6333184 6333617 6333693 6333857 6334208 6334300 6334512
6334655 6335025 6335370 6335522 6335549 6337221 6337298 6337437 6337595 6338002 6338081
6338136 6338289 6338331 6338386 6338570 6338653 6339368 6339712 6339759 6339778 6340028
6340196 6340621 6340650 6340770 6340814 6341429 6341569 6342781 6342823 6342977 6343055
6343157 6343419 6343741 6344186 6345056 6345158 6345226 6345552 6345560 6345690 6345758
6345809 6346183 6346926 6347364 6348180 6348407 6348585 6349088 6349228 6349494 6349906
6349987 6350027 6350216 6350217 6350219 6350221 6350223 6350224 6350225 6350255 6350960
6351092 6351165 6351221 6351310 6351354 6351805 6351840 6351954 6352224 6352821 6353030
6353371 6353438 6353492 6354381 6354408 6354498 6354597 6354773 6354842 6354996 6354997
6355084 6355634 6355953 6356155 6356708 6357600 6357764 6357949 6358718 6359116 6359179
6359264 6359306 6359805 6359831 6359850 6360218 6360437 6360442 6360749 6360764 6360864
6360928 6361478 6361949 6362044 6362047 6362334 6362338 6362641 6362855 6363303 6363393
6363495 6363503 6364267 6364447 6364643 6365335 6365741 6365742 6365743 6366097 6366244
6366301 6366758 6366821 6366825 6366883 6367031 6367044 6367046 6367047 6367049 6367051
6367053 6367057 6367061 6367063 6367067 6367068 6367069 6367070 6367073 6367075 6367103
6367222 6367520 6367840 6367959 6367985 6368078 6368142 6368315 6368524 6368526 6368529
6368630 6368690 6368751 6368763 6368850 6369094 6369116 6369408 6369582 6369648 6369763
6369771 6369961 6370137 6370154 6370284 6370454 6370506 6370693 6370798 6370802 6370963
6371490 6371671 6371877 6371967 6372082 6372151 6372620 6373071 6373233 6373298 6373322
6373357 6373697 6373978 6374138 6374560 6374596 6374606 6375481 6375797 6375841 6376283
6376555 6376743 6376800 6376848 6377319 6377362 6377640 6378297 6378364 6378676 6378766
6378979 6379249 6379285 6379341 6379498 6379529 6379717 6379905 6379909 6380322 6380434
6380470 6380913 6381022 6381059 6381288 6381319 6381344 6381543 6382945 6383188 6383225
6384263 6384324 6384371 6384565 6384727 6384962 6385004 6385007 6385042 6385349 6385436
6385479 6385516 6385609 6385726 6385747 6385777 6385792 6386262 6386331 6386770 6387493
6388050 6388070 6388096 6388192 6388946 6388986 6389056 6389264 6389273 6389326 6389646
6389650 6389931 6390004 6390074 6390114 6390119 6390205 6390232 6390239 6390248 6390296
6390378 6390410 6390449 6390617 6390709 6390838 6391051 6391117 6391121 6391249 6391591
6391605 6391685 6391774 6391893 6392059 6392166 6392223 6392438 6392467 6392513 6392589
6392656 6392748 6393109 6393251 6393356 6393362 6393431 6393490 6393525 6393796 6393895
6394197 6394273 6394546 6394554 6395124 6395385 6395837 6395902 6395954 6396823 6397007
6397052 6397053 6397146 6397148 6397256 6397762 6397830 6397847 6397853 6397915 6398161
6398506 6398893 6399242 6399888 6399897 6399915 6399963 6399981 6400068 6400662 6400664
6400675 6400688 6400758 6400763 6401068 6401219 6401400 6401506 6401695 6401817 6401916
6402114 6402533 6402556 6402600 6402653 6402737 6402781 6402814 6403267 6403510 6403995
6404017 6404051 6404171 6404207 6404280 6404290 6404301 6404310 6404315 6404563 6404654
6404729 6404765 6404877 6405012 6405233 6405330 6405338 6405380 6405400 6405658 6405773

6405777 6405807 6405927 6405929 6405932 6405939 6405966 6405996 6406097 6406152 6406990
6407551 6407920 6408242 6408665 6408738 6408879 6408901 6408957 6408975 6409294 6409297
6409300 6409301 6409302 6409350 6409613 6409758 6410027 6410294 6410433 6410878 6411163
6411190 6411400 6411683 6411790 6412077 6412471 6412476 6412531 6412600 6413062 6413092
6413095 6413146 6413169 6413280 6413510 6413767 6413809 6414641 6414648 6414721 6414729
6414734 6414740 6414797 6414967 6414970 6415132 6415181 6415415 6415509 6415519 6415523
6415535 6415547 6415617 6415633 6415739 6416186 6416224 6416482 6416615 6416639 6416714
6416759 6416794 6416873 6417377 6417483 6417978 6418491 6418563 6418659 6418698 6418713
6418727 6418780 6419030 6419154 6419439 6419826 6419880 6420135 6420204 6420272 6420438
6420985 6421202 6421883 6421886 6421992 6422023 6422488 6422929 6422933 6423051 6423412
6423486 6423747 6423808 6424132 6424466 6424543 6424550 6424554 6424653 6424735 6424822
6424853 6424883 6425012 6425063 6425111 6425322 6425335 6425736 6425740 6425930 6426048
6426129 6426172 6426469 6426542 6426755 6426760 6426868 6426934 6426980 6427002 6427444
6427559 6427784 6428008 6428203 6428204 6428347 6428639 6428685 6428870 6429228 6429406
6429418 6429504 6429516 6429600 6429769 6430121 6430189 6430221 6430578 6430869 6430941
6431036 6431529 6431534 6431731 6431818 6431835 6431982 6432394 6432428 6432471 6433208
6433264 6433292 6433406 6433408 6433451 6433511 6433526 6433608 6433679 6433680 6433683
6433685 6433686 6433687 6433688 6433690 6433717 6434054 6434134 6434595 6434915 6435631
6435779 6435857 6435862 6435880 6435899 6435911 6435943 6436000 6436283 6436303 6436325
6436336 6436364 6436368 6436514 6436524 6436526 6436760 6436800 6436841 6436853 6436999
6437173 6437366 6437409 6437466 6437472 6437734 6437750 6437808 6437810 6438074 6438325
6438450 6438643 6438679 6438702 6438947 6439016 6439102 6439370 6439774 6439953 6440121
6440123 6440263 6440338 6440415 6440499 6440515 6440592 6440684 6440743 6441349 6441384
6441577 6441878 6442165 6442252 6442443 6442804 6442821 6442921 6443020 6443201 6443338
6443585 6443592 6443679 6443849 6443858 6443891 6444031 6444087 6444147 6444346 6444620
6444691 6444692 6444746 6445128 6445172 6445356 6445492 6445680 6445751 6445761 6445769
6445772 6445821 6446060 6446309 6446364 6446392 6446503 6446512 6446569 6446620 6446740
6446807 6446828 6446932 6447377 6447381 6447383 6447393 6447452 6447559 6447631 6447701
6447715 6447800 6447838 6447914 6448006 6448139 6448141 6448184 6448326 6448371 6448515
6448544 6448732 6448747 6448919 6448999 6449033 6449272 6449278 6449337 6449485 6449604
6449620 6449650 6449886 6450029 6450287 6450292 6450490 6450653 6450672 6450744 6450749
6450816 6450830 6451061 6451124 6451146 6451198 6451217 6451382 6451412 6451427 6451494
6451727 6451741 6451781 6451860 6452077 6452372 6452420 6452474 6452591 6452685 6452786
6452923 6453026 6453090 6453157 6453172 6453304 6453410 6453470 6453594 6453678 6453732
6453862 6454066 6454140 6454158 6454375 6454420 6454551 6454629 6455124 6455174 6455228
6455233 6455234 6455249 6455289 6455363 6455370 6455373 6455377 6455382 6455443 6455563
6455580 6455591 6456284 6456365 6456379 6456412 6456456 6456465 6456573 6456626 6456642
6456676 6456830 6456837 6456888 6456939 6457006 6457110 6457144 6457380 6457396 6457407
6457432 6457478 6457865 6457918 6457970 6458006 6458028 6458058 6458059 6458128 6458158
6458218 6458281 6458309 6458323 6458410 6458571 6458595 6458614 6458638 6458639 6458668
6458678 6458683 6458691 6458704 6458781 6458962 6458970 6459301 6459314 6459500 6459708
6459866 6459954 6460043 6460059 6460235 6460274 6460380 6460398 6460452 6460584 6460622
6460832 6460876 6461029 6461160 6461190 6461223 6461268 6461278 6461283 6461311 6461365
6461424 6461427 6461438 6461522 6461609 6461633 6461757 6461784 6461988 6462114 6462124
6462151 6462174 6462185 6462189 6462355 6462462 6462530 6462638 6462748 6462995 6463069
6463140 6463144 6463219 6463226 6463348 6463349 6463350 6463364 6463482 6463524 6463536
6463788 6463857 6463917 6463920 6464106 6464136 6464148 6464211 6464235 6464256 6464274
6464285 6464292 6464307 6464310 6464368 6464408 6464581 6464597 6464605 6464647 6464825

6464897 6465195 6465197 6465245 6465263 6465594 6465623 6465634 6465639 6466047 6466048
6466078 6466208 6466248 6466257 6466329 6466340 6466370 6466394 6466406 6466526 6466530
6466818 6466844 6467149 6467201 6467218 6467324 6467367 6467539 6467558 6467596 6467721
6467777 6467925 6468001 6468070 6468329 6468453 6468731 6468748 6469119 6469219 6469233
6469235 6469236 6469321 6469385 6469453 6469550 6469654 6469790 6469830 6469900 6469902
6469929 6469953 6470042 6470060 6470132 6470348 6470374 6470489 6470504 6470725 6470732
6470764 6470782 6470870 6470966 6471094 6471255 6471322 6471359 6471363 6471429 6471677
6471679 6471712 6471718 6471923 6471974 6472019 6472021 6472061 6472171 6472230 6472255
6472377 6472389 6472843 6473179 6473215 6473237 6473297 6473299 6473349 6473418 6473457
6473618 6473639 6473775 6473791 6473925 6473996 6474029 6474091 6474547 6474678 6474717
6474791 6474802 6474853 6474949 6474991 6475007 6475149 6475254 6475256 6475302 6475506
6475734 6475736 6475890 6475901 6475903 6475905 6475942 6476196 6476273 6476279 6476321
6476339 6476437 6476457 6476506 6476516 6476517 6476543 6476663 6476772 6477049 6477070
6477102 6477103 6477108 6477109 6477132 6477220 6477249 6477545 6477720 6477746 6477900
6477912 6478028 6478137 6478246 6478353 6478363 6478388 6478675 6478928 6478974 6478999
6479024 6479036 6479209 6479451 6479473 6479497 6479498 6479553 6479563 6479638 6479675
6479721 6479724 6479756 6479813 6479822 6479828 6479863 6479888 6479912 6480230 6480245
6480255 6480505 6480516 6480626 6480627 6480790 6480791 6480815 6480849 6480901 6480903
6480942 6480959 6481313 6481326 6481387 6481460 6481563 6481603 6481731 6481882 6481949
6482162 6482163 6482165 6482166 6482403 6482530 6482567 6482596 6482653 6482820 6482822
6482827 6483014 6483040 6483054 6483059 6483153 6483208 6483216 6483226 6483230 6483231
6483233 6483324 6483338 6483377 6483435 6483675 6483718 6483761 6483779 6483975 6484044
6484106 6484194 6484558 6484731 6484743 6484763 6484895 6485057 6485164 6485171 6485204
6485375 6485379 6485548 6485555 6485580 6485599 6485728 6485731 6485761 6485781 6485943
6485955 6486288 6486343 6486390 6486397 6486404 6486415 6486465 6486472 6486496 6486513
6486515 6486575 6486651 6486746 6486893 6486952 6487273 6487284 6487360 6487387 6487440
6487493 6487521 6487534 6487719 6487770 6487857 6487908 6487958 6488115 6488124 6488370
6488547 6488636 6488652 6488665 6488812 6488843 6488985 6489058 6489095 6489149 6489152
6489169 6489363 6489393 6489459 6489548 6489593 6489651 6489671 6489687 6489714 6489753
6489821 6489875 6489885 6489978 6490012 6490046 6490065 6490104 6490105 6490445 6490506
6490514 6490516 6490546 6490558 6490569 6490658 6490829 6490897 6490938 6490958 6490981
6491179 6491408 6491410 6491581 6491591 6491720 6491971 6492025 6492078 6492102 6492109
6492223 6492423 6492479 6492686 6492688 6492690 6492705 6492706 6492882 6493053 6493109
6493146 6493179 6493200 6493272 6493605 6493625 6493672 6493685 6493750 6493833 6493923
6493982 6494072 6494075 6494132 6494394 6494431 6494630 6494638 6494654 6494657 6494715
6494743 6494750 6494827 6494832 6494840 6495007 6495013 6495154 6495324 6495328 6495346
6495347 6495455 6495485 6495595 6495596 6495817 6496178 6496303 6496323 6496341 6496344
6496346 6496347 6496350 6496356 6496357 6496359 6496365 6496374 6496416 6496424 6496648
6496740 6496754 6496763 6496941 6497211 6497563 6497625 6497668 6497698 6497789 6498161
6498164 6498264 6498283 6498305 6498408 6498483 6498635 6498830 6498986 6499244 6499328
6499454 6499459 6499476 6499483 6499493 6499670 6499804 6499865 6499891 6499997 6500027
6500554 6500684 6500877 6500938 6500952 6501024 6501102 6501294 6501481 6501505 6501588
6501789 6502193 6502201 6502268 6502598 6502647 6502648 6502649 6502676 6502745 6502748
6502750 6502782 6502783 6502873 6502979 6503169 6503173 6503214 6503464 6503724 6503788
6503790 6503810 6503812 6503848 6503922 6503997 6504039 6504058 6504130 6504195 6504199
6504229 6504386 6504424 6504688 6504702 6504958 6505181 6505189 6505225 6505266 6505360
6505361 6505445 6505472 6505570 6505625 6505658 6505765 6505896 6505933 6506356 6506506
6506563 6506748 6506837 6507117 6507210 6507293 6507361 6507501 6507709 6508018 6508068

6508109 6508123 6508432 6508434 6508435 6508502 6508652 6508701 6508883 6508934 6509037
6509040 6509484 6509639 6509736 6509749 6509775 6510153 6510271 6510353 6510356 6510448
6510717 6510729 6510807 6510852 6510853 6510861 6511088 6511393 6511442 6511578 6511583
6511600 6511976 6511978 6512311 6512391 6512401 6512601 6512604 6512661 6512844 6512868
6512979 6513011 6513020 6513170 6513171 6513238 6513899 6513951 6513953 6514071 6514238
6514248 6514331 6514446 6514590 6514591 6514637 6514760 6514873 6515109 6515653 6515821
6516004 6516132 6516175 6516265 6516581 6516610 6516629 6516642 6516660 6516668 6516755
6516884 6516929 6517019 6517390 6517451 6517846 6517852 6517883 6518224 6518397 6518432
6518531 6518710 6518780 6519043 6519047 6519400 6519690 6519742 6520018 6520051 6520071
6520114 6520116 6520124 6520397 6520415 6520626 6520662 6520838 6520990 6521026 6521326
6521352 6521370 6521502 6521543 6521689 6521890 6521915 6521957 6522070 6522133 6522439
6522477 6522697 6523011 6523130 6523454 6523491 6523767 6523786 6523891 6523926 6523936
6523938 6524136 6524250 6524270 6524285 6524333 6524718 6525002 6525008 6525577 6525765
6525824 6526154 6526169 6526196 6526280 6526404 6526418 6526814 6526815 6526874 6526896
6526932 6527020 6527134 6527265 6527301 6527325 6527403 6527494 6527632 6527676 6527710
6528180 6528274 6528546 6528668 6528692 6528758 6528890 6528972 6529081 6529109 6529406
6529447 6529454 6529767 6530040 6530134 6530178 6530288 6531453 6531474 6532056 6532442
6532645 6533511 6533554 6533562 6533769 6533836 6533868 6533914 6534102 6534136 6534147
6534183 6534262 6534269 6534449 6534471 6534624 6535016 6535224 6535506 6535551 6535564
6535712 6535743 6535824 6536454 6536641 6537357 6537358 6537512 6538001 6538049 6538379
6538410 6538844 6538895 6539122 6539337 6539449 6539482 6539615 6539844 6539905 6540669
6541014 6541025 6541094 6541671 6541703 6541766 6542408 6542621 6542632 6542658 6542809
6543001 6543436 6543556 6543558 6543658 6544618 6544832 6545015 6545032 6545187 6545387
6545556 6545689 6545833 6546644 6547155 6547651 6548196 6548711 6548762 6549055 6549112
6549689 6550086 6550191 6550762 6551395 6552083 6552788 6553151 6553296 6553331 6553350
6553352 6553649 6553696 6553905 6554095 6554129 6554938 6555071 6555465 6555525 6555550
6555977 6555985 6556036 6556368 6556443 6556695 6556697 6556698 6556949 6557246 6557249
6557854 6559832 6560567 6561226 6561413 6561456 6562522 6562672 6563145 6563381 6564502
6564556 6564963 6566368 6566788 6567002 6568457 6568762 6568980 6569812 6570938 6571718
6572667 6573485 6574472 6574662 6575261 6575670 6575705 6578653 6586595

■ **119757-11 – SunOS 5.10: Samba patch**

4768591 5080288 5100732 6174211 6179361 6185348 6217228 6218964 6248115 6248953 6254372
6267187 6310561 6332751 6344828 6345488 6362017 6379618 6401467 6406753 6408839 6412838
6444725 6446200 6447666 6464952 6482687 6506636 6518705 6521788 6556138 6557101 6563383
6564928 6566004 6568848 6574866 6574981 6576479 6595282 6595819 6602593 6603684 6630358
6631513 6632855 6640253 6650949

■ **119764-06 – SunOS 5.10 : ipmitool patch**

6209442 6266203 6266225 6344396 6397856 6433094 6407932 6459243

■ **119766-02 – SunOS 5.10 : SunFreeware man pages patch**

6209442 6266203 6266225

■ **119771-02 – SunOS 5.10: Asian CCK locales patch**

6246438 6357520 6452120 6477325

- **119783-05 – SunOS 5.10: bind patch**

6192028 6226796 6308420 6350145 6361078 6414518 6422073 6461587 6461591 6532492 6567532
6567534 6582717

- **119797-17 – SunOS 5.10: CDE Localization message patch**

6259957 6299116 6279262 6309630 6375502 6345512 6382640 6395838 6402802 6228181 6472278
6496814 6523248 6533231 6537588 6580943 6659132

- **119810-05 – SunOS 5.10: International Components for Unicode Patch**

4785261 6217550 6354379 6410112 6511431 6661352

- **119812-05 – X11 6.6.2: Freetype patch**

6229445 6292556 6425531 6466790 6539893 6542352 6589553

- **119814-19 – SunOS 5.10: OS Japanese manpages patch**

6262660 6261964 6317482 6373667 6396026 6443861 6474177 6548283 6362324 6642447 6629559
6637061 6666801

- **119844-07 – SunOS 5.10: Patch for Southern Europe Region locale issues**

6255292 6249315 6338196 6347707 6315127 6336555 6318932 6375175 6403522 6346087 6280189
6395212 6316938 6484316 6608786

- **119845-05 – SunOS 5.10: Patch for Australasia Region locale issues**

6255292 6249315 6338196 6318932 6346087 6280189 6395212 6316938 6484316

- **119890-03 – GNOME 2.6.0: search tool Patch**

6253916 5072526 6234957

- **119900-04 – GNOME 2.6.0: Gnome libtiff - library for reading and writing TIFF Patch**

6203747 6321957 6377231 6412202 6451119

- **119903-02 – OpenWindows 3.7.3: Xview Patch**

4459703 6444095

- **119906-12 – Gnome 2.6.0: Virtual File System Framework patch**

5068327 6177074 6179500 6199955 6200485 6205707 6234855 6243455 6262830 6408294 6463564
6470281 6477272 6503530 6552805 6634693 6543813

- **119955-05 – CDE 1.6: Tooltalk Runtime patch for Solaris 10**

6206423 6235250 6347707 6328571 6257227 6548554 6548563

- **119963-08 – SunOS 5.10: Shared library patch for C++**

6242459 6244128 6244223 6253345 6300352 6283644 6244286 6274396 6304703 6326163 6339010
6393170 6406049 6319635 6421790 6432346

- **119974-09 – SunOS 5.10: fp plug-in for cfgadm**

6223856 6259488 6336260 6347707 6444373 6445889 6463935 6475039 6476151 6494611 6614447

- **119986-03 – SunOS 5.10: clri patch**

4913439 6194015 6421970

- **119988-01 – SunOS 5.10: sed patch**

4865669

- **120038-01 – SunOS 5.10: sadc patch**

6257191

- **120044-01 – SunOS 5.10: psrset patch**

6248421

- **120056-02 – SunOS 5.10: hpc3130 Patch**

6249526 6283570

- **120061-02 – SunOS 5.10: glm patch**

5026812 5091622 6208932 6258111 6350993

- **120062-01 – SunOS 5.10: localedef Patch**

6274427 6287593

- **120064-01 – SunOS 5.10: stdio_iso.h Patch**

6266832

- **120094-18 – X11 6.6.2: xscreensaver patch**

6237901 6267306 6228023 6203951 4806728 4818062 6368558 6368607 6369021 6346056 6232241
6333226 6417168 5015296 6256520 6373797 6423730 5077974 5083155 6240938 6450019 6456499
6388473 6406200 6395649 6461887 6478362 6478841 6451477 6483977 6580862 6573182 6607112
6610282 6611662 6653139 6652454 6607629 6652311

- **120101-01 – SunOS 5.10: libsmmedia patch**

6240296

- **120195-02 – SunOS 5.10: patch schpc sc_gptwocfg gptwo_pci**

5076027 6252214

- **120201-05 – X11 6.8.0: Xorg client libraries patch**

6248315 6366603 6347707 6504462 6489660 6582977 6585549 6644843

- **120222-26 – SunOS 5.10: Emulex-Sun LightPulse Fibre Channel Adapter driver**

6248456 6248899 6252273 6252308 6252633 6252767 6264417 6273321 6273949 6275529 6276730
 6277406 6281068 6281270 6281938 6284688 6286283 6286352 6290648 6291133 6296689 6299387
 6300078 6301627 6312068 6314407 6319648 6323974 6325753 6329384 6329972 6331152 6333054
 6333059 6336547 6339616 6339679 6339682 6340896 6340901 6342203 6343904 6344012 6348810
 6350753 6364395 6381360 6383122 6385881 6386425 6392218 6400647 6408870 6436873 6443455
 6447084 6462658 6467485 6468515 6469813 6469819 6482048 6482413 6482541 6482617 6482630
 6483985 6484005 6488246 6490673 6497681 6510934 6512195 6513802 6514128 6526703 6530687
 6534219 6534338 6535567 6535797 6540057 6542233 6544085 6548008 6553772 6553876 6557305
 6559701 6561873 6584803 6589732 6601682 6609124 6609137 6609142 6609181 6609224 6609229
 6609242 6609248 6609255 6609260 6609270 6609814 6624434 6625110 6633867 6633873 6633893
 6633903 6633947 6633950 6633954 6633964 6633970 6633976 6647421 6647426 6647431 6647432
 6647435 6648005 6648012 6648016 6648019 6648024 6652679 6652693 6653782 6658244

- **120235-01 – SunOS 5.10: Live Upgrade Zones Support Patch**

6275557

- **120256-01 – SunOS 5.10: hci1394 Patch**

6260567 6286705

- **120282-03 – GNOME 2.6.0: Gnome CD Player Utility Patch**

5053909 6210011 6387160 6484413

- **120284-06 – GNOME 2.6.0: GNOME CORBA ORB and component framework**

6235648 6238754 6295858 6440951 6466464 6542835 6425609

- **120286-02 – GNOME 2.6.0: Gnome text editor Patch**

4937266 6355577 5092704 6347229

- **120288-03 – GNOME 2.6.0: Gnome terminal Patch**

6241338 6242857 6303664 6430930

- **120292-01 – SunOS 5.10 : mysql patch**

6258187

- **120294-01 – SunOS 5.10 : mysql man patch**

6258187

- **120311-02 – SunOS 5.10: FRESHBIT ONLY PATCH: For deletes file**

6178746

- **120329-02 – SunOS 5.10: rexec patch**

6245588 6371429

- **121453-02 – SunOS 5.10: Sun Update Connection Client Foundation**

6322616 6348676 6325141 6325580 6325603 6324926 6325021 6319981 6324894 6316500 6288010
6288194 6288300 6289010 6293659 6297756 6298489 6299025 6300171 6300219 6300355 6300794
6302650 6303352 6303587 6304558 6304563 6304786 6306155 6260830 6315572 6314437 6314341
6316780 6342800

- **120335-04 – SunOS 5.10: Sun Update Connection Client Localization**
- **120338-05 – SunOS 5.10: Asian CCK locales patch**

6279310 6285930 6347707

- **120346-09 – SunOS 5.10: Common Fibre Channel HBA API and Host Bus Adapter Libraries**

6202863 6210435 6223854 6239116 6288908 6306254 6334772 6336260 6347707 6405584 6443728
6486601 6494611 6520054 6534722 6544955 6581388

- **120348-02 – SunOS 5.10: Fibre Channel HBA Port utility**

6380685 6494611

- **121975-01 – CDE 1.6: Xsession patch**

6354282

- **120410-28 – SunOS 5.10: Internet/Intranet Input Method Framework patch**

6362324 6439551 6439552 6380740 6388754 6389513 6373635 6404462 6429880 6433315 6436040
6443828 6418820 6461075 6463540 6456236 6449856 6400652 6458335 6503085 6521711 6303084
6319383 6368739 6468167 6519571 6501702 6467756 6458025 6566160 6531459 6446303 6538703
6542344 6562940 6562961 6566886 6569015 6247847 6576877 6581558 6542765 6595672 6624656
6608345 6573815 6626316 6624207 6608251 6639480 6650596 6650386 6666065 6665218

- **120412-08 – SunOS 5.10: Simplified Chinese locale patch**

6362324 6388988 6394129 6624652

- **120414-20 – SunOS 5.10: Asian CCK locales patch**

4916340 5024604 6263482 6267785 6285934 6299102 6362324 6433155 6388988 6412046 6462957
6446836 6432120 6474087 6501702 6394129 6521643 6544785 6485369 6624653

- **120450-01 – SunOS 5.10: get_netmask Utility Patch**

4218092

- **120454-02 – GNOME 2.6.0: Gnome Apoc GConf Adapter Patch**

6281517 6397519

- **120456-01 – GNOME 2.6.0: Gnome image viewer Patch**

6288517

- **120458-01 – GNOME 2.6.0: Gnome configuration Patch**

6293945

- **120462-11 – SunOS 5.10: FUJITSU PCI GigabitEthernet 2.0 patch**

6263610 6314180 6314192 6326340 6328936 6389287 6389294 6389298 6411854 6411855 6411856
6489608 6489609 6489610 6536495 6590295 6590296 6590297 6590299 6607847 6646652 6646653

- **120543-11 – SunOS 5.10: Apache 2 Patch**

6222168 6228840 6257414 6283480 6301799 6367565 6373222 6378495 6419373 6423037 6452767
6453503 6461151 6482942 6487586 6502023 6528378 6602665 6630259 6644749

- **120560-02 – SunOS 5.10: sun4u platform links patch**

6297712 6342066 6377979

- **120704-01 – SunOS 5.10 : smartcard man patch**

6310070

- **120706-02 – SunOS 5.10: XIL 1.4.2 Loadable Pipeline Libraries**

6255091 6357678

- **120719-02 – SunOS 5.10 : SunFreeware gzip patch**

6283819 6294656 6454453 6470484

- **120732-01 – SunOS 5.10 : libusb patch**

5033202 6251518 6251836 6272172

- **120739-04 – GNOME 2.6.0: GNOME PDF Viewer based on Xpdf**

6219093 6294547 6418897 6374946

- **120741-01 – SunOS 5.10: seg_map header file patch**

6264443

- **120753-05 – SunOS 5.10: Microtasking libraries (libmtsk) patch**

4640927 5105585 6176541 6224639 6266200 6281454 6284576 6292619 6308531 6315352 6347707
6321653 6337239 6352080 6358139 6364604 6383140 6406413 6420938 6452506 6465769 6510918
6513016 6518824 6525745

- **120807-01 – SunOS 5.10: rpc.mdcommd patch**

6290815

- **120811-08 – SunOS 5.10: FUJITSU PCI Fibre Channel Driver 3.0 patch**

6320887 6320888 6320889 6320890 6320891 6390434 6390438 6390442 6458277 6503309 6503310
6532173 6532174 6532175 6532176 6555980 6555983 6555993 6569873 6654826 6654828 6654830

- **120812-23 – OpenGL 1.5: OpenGL Patch for Solaris**

6319713 6329031 6304867 6310706 6325241 6320884 6318796 6331251 6331516 6336456 4898884
6182277 6319762 6337931 6370332 6372166 6378129 6331508 6315618 6334385 6364166 6374033
6377389 6378207 6381610 6390277 6395879 6390026 6395712 6401397 6406474 6407746 6416582
6406701 6393151 6422606 6422765 6423678 6426814 6424131 6425010 6439494 6450137 6450143
6441146 6448080 6425711 6456988 6453221 6461379 6231225 6460443 6466601 6465810 6457370
6480786 6484429 6480397 6497288 6499862 6502759 6505039 6511101 6513834 6505769 6524712
6532426 6525525 6532662 6532832 6532296 6541065 6544600 6540820 6562868 6568796 6570681
6577844 6562725 6596680 6594511 6604035 6604326 6605823 6611868 6623921 6630133

- **120815-01 – SunOS 5.10: dmfe patch**

5067101

- **120816-01 – SunOS 5.10: at and batch Patch**

6208425

- **120830-06 – SunOS 5.10: vi and ex patch**

6208422 6219736 6219754 6320769 6320774 6320778 6320781 6320783 6409995 6459238 6481990
6491931 6510560

- **120873-06 – SunOS 5.10: xscreensaver localization message patch**

6203951 6316915 6388099 6404846 6417480 6549999

- **120889-01 – SunOS 5.10: librac patch**

6297767

- **120928-23 – SunOS 5.10: Sun XVR-2500 Graphics Accelerator Patch**

6205581 6234713 6238000 6265574 6265643 6305850 6307350 6307629 6309117 6314730 6316467
6320112 6325762 6327283 6334385 6334397 6336633 6336694 6336810 6337380 6338638 6339673
6342123 6344057 6345188 6345789 6351522 6356543 6356574 6358136 6359124 6359915 6360556
6368899 6376512 6384945 6386449 6389874 6391204 6397140 6400329 6401206 6401718 6406755
6407749 6409222 6417196 6419816 6425030 6429587 6432929 6437009 6441945 6441948 6443032

6444128 6448736 6456348 6457370 6462826 6466702 6467437 6467917 6468098 6472489 6474345
 6474946 6475656 6476422 6476913 6480938 6485625 6487912 6489637 6492275 6492450 6493283
 6494723 6497290 6499868 6502754 6503777 6503937 6504362 6505477 6505758 6509827 6513976
 6518056 6525525 6527310 6527785 6529547 6536145 6540228 6540768 6543724 6548221 6553082
 6554065 6556634 6566159 6566184 6588223 6593608 6593695 6594262 6596935 6624971 6625050
 6627584 6642208 6571508 6649362 6650762 6670005

- **120984-01 – SunOS 5.10: nss_user.so.1 Patch**

6235336

- **120988-01 – SunOS 5.10: grpck Patch**

6221968

- **120992-02 – SunOS 5.10: nfs_clnt.h and nfs4_clnt.h Patch**

6266836 6282389

- **120994-01 – SunOS 5.10: elf_amd64.h Patch**

6236594

- **121004-03 – SunOS 5.10: sh patch**

6277636 6388209 6471812

- **121012-02 – SunOS 5.10: traceroute patch**

6238818 6290611 6290623 6291147 6291879 6298211 6298351

- **121036-02 – Gnome 2.6.0: base libraries patch**

6215709 6627428

- **121081-06 – SunOS 5.10: Connected Customer Agents 1.1.0**

6450206 6410428 6304558 6319108 6300369 6395708 6392682

- **121095-02 – GNOME 2.6.0: GNOME EXIF tag parsing library for digital cameras**

6257383 6652301

- **121104-02 – Adobe Acrobat Reader patch**

6300634 6333477 6338781 6526702

- **121118-13 – SunOS 5.10: Sun Update Connection System Client 1.0.10**

4985449 4986258 5002316 5022653 5023766 5029322 5031178 5066299 5075120 6236910 6238567
 6241235 6242319 6253356 6266869 6273655 6276248 6282393 6283475 6285415 6286401 6290732
 6301964 6302734 6303345 6303347 6304050 6304752 6304766 6305271 6305349 6309151 6311346
 6311982 6315572 6316079 6316614 6316714 6317612 6318386 6320362 6326062 6326563 6327311

6327736 6327855 6328282 6329912 6330775 6331302 6331953 6334463 6334470 6335197 6336315
6336989 6337321 6337356 6340355 6340362 6341454 6350073 6350209 6350232 6354986 6355539
6355862 6356114 6356149 6358651 6359761 6360451 6360929 6361188 6361487 6362146 6362166
6362828 6362887 6363403 6363941 6364454 6364707 6366823 6367722 6370198 6372108 6372139
6372274 6372515 6372563 6373939 6373946 6374784 6376004 6377932 6378893 6381063 6381140
6381322 6382007 6382999 6383012 6383176 6383224 6383315 6383653 6384634 6385661 6385673
6386168 6386364 6389805 6390448 6391266 6393075 6395034 6395316 6395874 6398238 6398433
6399218 6401173 6401777 6402500 6404859 6404885 6406720 6407897 6407904 6408365 6408544
6408613 6409482 6410140 6410531 6410538 6410539 6410542 6410544 6410545 6411679 6414005
6414159 6414343 6414657 6416609 6418687 6425987 6426181 6427463 6427757 6429333 6429336
6429338 6429340 6429345 6429347 6430654 6431846 6431851 6433481 6433486 6433494 6434792
6436114 6437060 6437063 6437159 6439023 6440031 6440033 6444021 6448807 6448994 6449018
6453526 6455598 6455636 6455708 6456391 6460262 6461126 6469364 6469367 6469373 6471052
6471054 6478319 6478621 6479276 6481338 6484611 6484928 6488481 6491530 6491895 6504320
6504405 6507691 6508361 6508369 6508654 6508927 6508931 6509899 6510573 6511377 6511378
6511386 6537598 6503919 6426874 6450709 6465132 6517375 6520882 6525982 6513981 6546183
6551220 6571513 6571536 6578325 6578377 6578343 6580209 6584422 6585534

- **121128-01 – SunOS 5.10: lofs patch**

5034470

- **121130-01 – SunOS 5.10: librcm.so.1 patch**

5103374

- **121136-01 – Adobe Acrobat Reader patch**

6300634

- **121296-01 – SunOS 5.10: fgrep Patch**

6295261

- **121336-04 – SunOS 5.10: FUJITSU ULTRA LVD SCSI Host Bus Adapter Driver 1.0 patch**

6342915 6342916 6342918 6398480 6489598 6551872 6551873

- **121337-01 – SunOS 5.10: tlimod patch**

6328296

- **121394-01 – SunOS 5.10: aio_impl.h patch**

4954646 6183621

- **121430-22 – SunOS 5.8 5.9 5.10: Live Upgrade Patch**

4873203 4992478 5015838 5106987 6221561 6221609 6224940 6252385 6252388 6253700 6263351
6264796 6265069 6284550 6286969 6297948 6297950 6317386 6319706 6319769 6320330 6322850
6322867 6322962 6328587 6332091 6335531 6336069 6336160 6339728 6347732 6357186 6365289

6367766 6381089 6390111 6395264 6398112 6405123 6411522 6411937 6420644 6432846 6448114
 6468979 6473085 6474504 6477349 6480573 6497684 6508829 6523497 6523534 6526238 6533887
 6543062 6553162 6561786 6564964 6581941 6606935 6632846

- **121428-09 – SunOS 5.10: Live Upgrade Zones Support Patch**

5015838 6221561 6242607 6264796 6381089 6400541 6516904 6555035 6562966 6568343

- **121487-01 – CDE 1.6: dtmail patch**

6337697

- **121556-01 – SunOS 5.10: SUNW,Netra-CP3010 platform patch**

6237913 6313078

- **121557-01 – SunOS 5.10: SUNW,Netra-CP3010 usr/platform patch**

6237913 6336317

- **121558-01 – SunOS 5.10: SUNW,Netra-CP3010 platform patch**

6237913

- **121559-01 – SunOS 5.10: Netra-CP3010 libprtdiag_psr patch**

6237913 6336317

- **121561-04 – SunOS 5.10: keymap patch**

6277193 6361984 6362506 6366101 6381421 6452685

- **121606-02 – GNOME 2.6.0: Python patch**

6199942 6247860 6318436 6318475 6340077 6484954

- **121620-03 – SunOS 5.10: Patch for mediaLib in Solaris**

6397621 6347707 6359985 6397145 6401721 6403330 6408945 6431261 6509428 6529757 6591899

- **121667-02 – SunOS 5.10 : pilot-link header patch**

6321205 6334598

- **121669-01 – SunOS 5.10: SunFreeware pilot-link man pages patch**

6321205

- **125287-02 – SunOS 5.10: Japanese X locale update**

6501702 6521655 6601487 6409794

- **121675-11 – SunOS 5.10: Japanese Input System ATOK patch**

6362324 6373667 6409794 6424740 6432726 6441936 6497081 6601483 6601487 6632743

- **121677-05 – SunOS 5.10: Japanese Input System Wnn patch**

6362324 6443559 6427007 6396016 6396007 6459245 6623924

- **121870-01 – X11 6.6.2: xterm patch**

6315492

- **121923-01 – Gnome 2.6.0: GNOME CD Burner patch**

6210267

- **121946-01 – SunOS 5.10: Error processing FRU tree: IO error patch**

6325788

- **121947-01 – SunOS 5.10: New Keyboards software needed**

6217588

- **121953-02 – SunOS 5.10: Localization patch for new EMEA FIGGS locales**

6321422 6388015

- **121977-03 – CDE 1.6: dtlogin resources patch**

6309633 6386254 6537603 6537588

- **122005-01 – SunOS 5.10 : SunFreeware growisofs man pages**

6346516

- **122009-01 – SunOS 5.10: SunFreeware cdrtools patch**

6251877 6318184

- **122011-01 – SunOS 5.10: SunFreeware cdrtools man pages patch**

6251877 6318184

- **122031-01 – SunOS 5.10: cgsix Patch**

6246748

- **122083-02 – SunOS 5.10: fsck mirrored patch**

5044015 6273536 6331370

- **122085-01 – SunOS 5.10: nispasswd patch**

6225117

- **122087-01 – SunOS 5.10: LTC1427-connected fan device driver patch**

6176554

- **122119-05 – SunOS 5.10: Patch for Arabic Fonts**

6346091 6377955 6380993 6403522 6458616

- **122130-03 – SunOS 5.10: Patch to update SUNWlocaledefsrc files**

6345525 6432211 6316938 6484316 6435355 6505106

- **122172-06 – SunOS 5.10: swap swapadd isaexec patch**

6194015 6338653 6363824 6415521 6421970 6426755 6426760

- **122174-03 – SunOS 5.10: dumpadm patch**

6194015 6338653 6421970

- **122204-02 – GNOME 2.6.0: configuration framework Patch**

6310437 6502229

- **122208-01 – GNOME 2.6.0: Removable Media Patch**

6207027

- **122210-01 – GNOME 2.6.0: GNOME Media Player Patch**

6370445

- **122231-01 – SunOS 5.10 Sun Connection agents, transport certificate update**

6379777

- **122239-01 – SunOS 5.10: Apache 2 mod_perl Perl cgi patch**

6289386

- **122259-01 – SunOS 5.10: SunFreeware gnu esp ghostscript patch**

6333285 6343050 6360710 6360803

- **122261-01 – SunOS 5.10: SunFreeware ghostscript man pages patch**

6333285 6343050 6360710 6360803

- **122376-01 – SunOS 5.10: prex patch**

6403612

- **122408-01 – SunOS 5.10: libmtmalloc patch**

6217567

- **122418-01 – SunOS 5.10: Fix Garbled Message Issues for Ru**

6363262

- **122422-03 – SunOS 5.10: add missing locale files for Mozilla**

6387991 6403436 6419527 6418839

- **122424-01 – SunOS 5.10: Mozilla default bookmarks patch**

6412687

- **122470-02 – Gnome 2.6.0: GNOME Java Help Patch**

6364981 6434498

- **122487-06 – SunOS 5.10: Patch for Middle Eastern Region locale issue**

6380993 6403522 6411975 6395212 6316938 6484316 6565869

- **122515-01 – SunOS 5.10: boston platform patch**

6313684 6342066

- **122517-04 – SunOS 5.10: Sun Fire V215/V245 platmod patch**

6313684 6328752 6342066 6360332 6365052 6372133 6373525 6405176 6455769 6512088 6515766

- **122669-01 – Evolution 1.4.6: Cryptographic Library patch**

6316976

- **122675-01 – SunOS 5.10 : SunFreeware samba man pages patch**

4768591 6174211 6332751 6344828 6362017 6379618

- **122735-01 – CDE 1.6: backdrops patch**

6385021

- **122754-01 – SunOS 5.10: Exacct catalogue patch**

5076562 5083131 6181364 6183842 6202015 6216286 6219101 6220169 6221584 6222529 6223178
6229087 6229583 6230033 6232253 6232309 6237801 6255593 6264225 6265569 6266851 6267828
6272568 6281100 6281113 6282049 6284455 6286625 6295417 6298484 6298972 6298974 6298981
6305465 6307994 6309430 6310438 6313638 6313668 6313670 6314073 6322672 6323319 6323322
6323393 6323554 6328144 6331093 6332245 6333184 6333617 6335522 6335549 6342823 6342977
6346926 6354842 6356155 6359264 6359850 6363503 6365335 6365742 6365743 6366758 6366821
6366825 6367031 6367044 6367046 6367047 6367049 6367051 6367053 6367057 6367061 6367063
6367067 6367068 6367069 6367070 6367073 6367075 6367222 6367985 6368526 6368690 6369961
6370284 6370798 6370802 6371490 6372151 6373071 6376283 6377319 6377640 6378297 6378676
6379498 6381022 6383188 6384565 6384727 6385004 6385007 6385479 6385516 6388986 6389646
6389650 6390114 6390119 6390205 6390232 6390296 6390617 6390709 6391117 6391121 6391774
6392166 6392223 6392467 6393356 6393362 6395385 6397762 6397830 6398161

- **122761-01 – SunOS 5.10: Sun Update Connection Bootstrapper**

6390372 6323830 6350505

- **122860-05 – SunOS 5.10: SCN Update Manager localization patch**

6407430 6453773 6460262 6542867 6543402

- **122911-10 – SunOS 5.10: Apache 1.3 Patch**

6298425 6308127 6325738 6423033 6452767 6501938 6502023 6505934 6528378 6540271 6550227
6590411 6602661

- **122958-03 – GNOME 2.6.0: RealPlayer media application**

6382797 6383322 6383359 6383367 6377814 6450213 6595170 6595679

- **123003-03 – SunOS 5.10: SAM module patch**

6509847 6316308 6417985 6444027 6444779 6445882

- **124171-07 – SunOS 5.10: SCN Base cacao module patch**

6460977 6469551 6485617 6515667 6527874 6610979

- **123630-03 – SunOS 5.10: HTTP proxy settings patch**

6428301 6431004 6431011 6431282 6434415 6437572 6610979 6632395

- **123005-07 – SunOS 5.10: Basic Registration Update**

6302968 6316245 6334932 6367975 6398507 6399623 6399760 6428301 6434413 6437572 6440989
6444883 6448823 6448995 6449413 6449808 6450286 6452877 6462733 6468537 6480357 6610979
6442372 6617306 6629346 6632395

- **123011-01 – SunOS 5.10: BR desktop icon patch**

6398507 6421950

- **123015-01 – SunOS 5.10: ps patch**

6284623

- **123121-02 – SunOS 5.10: libwsreg.so.1 Patch**

6415472 6426965

- **123132-01 – SunOS 5.10: more patch**

4268038

- **123162-02 – GNOME 2.6.0: Gnome Java Run Time Patch**

6226929 6411153

- **123186-02 – SunOS 5.10: NIS yp utilities patch**

6254605 6261290 6316946 6332906

- **123194-01 – SunOS 5.10: cron patch**

6270017

- **123252-01 – SunOS 5.10: platform/SUNW,Netra-T2000 patch**

6378766

- **123271-01 – SunOS 5.10: iwsn patch**

6347629

- **123301-01 – SunOS 5.10: i2c_svc patch**

6396416

- **123319-01 – SunOS 5.10: sysacct patch**

6367316

- **123322-01 – SunOS 5.10: pwconv patch**

6379530

- **123326-01 – SunOS 5.10: tail patch**

6354078

- **123328-01 – SunOS 5.10: expr patch**

6354064

- **123332-01 – SunOS 5.10: tftp and in.tftpd patch**

6301318

- **123358-02 – SunOS 5.10: jumpstart and live upgrade compliance patch**

6372009 6433495 6445971

- **123406-02 – SunOS 5.10: svc-zones patch**

6366674 6402848 6464209 6464301 6636515

- **123494-04 – X11 6.6.2: fontconfig patch**

6355580 6405629 6477134 6447517

- **123520-01 – SunOS 5.10: basename & dirname patch**

6210677

- **123526-01 – SunOS 5.10: libcurses patch**

4503183 5027709 5089079

- **123590-08 – SunOS 5.10: PostgreSQL patch**

6429619 6452302 6511000 6520656 6539158 6539196 6540256 6546373 6574590 6574857 6606176
6614604 6643743 6583234

- **123647-02 – SunOS 5.10: gcc patch**

6220191 6241292 6603583 6651861

- **123661-04 – SunOS 5.10: Basic Registration Localization**

6442747 6442794 6453942 6451466

- **123893-04 – SunOS 5.9 5.10: Common Agent Container (cacao) runtime 2.1 upgrade patch 04**

6280032 6283710 6337616 6339748 6344715 6345608 6347540 6348540 6355795 6369806 6370572
6379150 6384513 6395715 6403788 6405728 6410164 6414544 6421891 6426278 6426615 6436145
6437886 6441536 6442702 6524977 6526343 6556883 6569255

- **123908-01 – SunOS 5.10: ar patch**

6382170 6391407 6398391

- **123912-02 – SunOS 5.10: ppriv patch**

6186472 6394554 6402114 6403267 6429516 6474295

- **123938-01 – GNOME 2.6.0: GNU Transport Layer Security Library Patch**

6473089

- **124149-11 – SunOS 5.10: Sun XVR-300 Graphics Accelerator Patch**

6480033 6491858 6509359 6510862 6515331 6517112 6521344 6524532 6525065 6525750 6545680
6546955 6550520 6554054 6560956 6564900 6566684 6574327 6574538 6580701 6581300 6584338
6585080 6596878 6601441 6601843 6605063 6628848 6634028 6631689 6618366

- **124153-02 – SunOS 5.10: Solaris Management Applications Localization patch**

6465514 6635796 6635808

- **124179-01 – SunOS 5.10: Sun Update Connection Bootstrapper Localization**

6465268

- **124237-01 – SunOS 5.10: ftp patch**

6319844

- **124325-01 – SunOS 5.10: rcm modules patch**

4659930

- **124363-01 – SunOS 5.10: /usr/bin/stardict patch**

6465248

- **124395-01 – CDE1.6: dtaction patch**

6405981

- **124397-02 – CDE1.6: libDtWidget patch**

6489090 6502114

- **124399-01 – CDE1.6: dtfile patch**

6405981

- **124401-01 – CDE1.6: dtpad patch**

6405981

- **124403-01 – CDE1.6: dtstyle patch**

6405981

- **124405-01 – CDE1.6: sdtfprop patch**

6405981

- **124444-01 – SunOS 5.10: mountd patch**

4613875

- **124457-01 – X11 6.6.2: xdm patch**

6388471 6423858 6398796

- **124599-01 – SunOS 5.10: Fujitsu PRIMEPOWER ESF redact script**

6475595

- **124630-16 – SunOS 5.10: System Administration Applications, Network, and Core Libraries Patch**

5110062 6242499 6264796 6272742 6293738 6342179 6386531 6395264 6399228 6402258 6411706
6429460 6438773 6439322 6445230 6451634 6459254 6476699 6481557 6489022 6489035 6493801
6493882 6500334 6517303 6517679 6520994 6526491 6545660 6549601 6553162 6564350 6576150
6627122

- **124924-01 – SunOS 5.10: vold patch**

6435055

- **124939-03 – SunOS 5.10 5.10_x86: JDMK 5.1 patch**

4703798 4704415 4850779 4984695 5057532 5065264 5066653 5079479 6174229 6183128 6192124
 6199899 6238234 6239400 6286631 6298662 6305089 6313432 6318653 6353661 6354426 6409684
 6454450 6496038 6215610 6227678 6295821 6335967 4997225 6195791 5051899 6273684 4960301
 5044821 5066835 5072890

- **124943-01 – SunOS 5.10: SunFreeware gzip man pages patch**

6454453 6470484

- **124997-01 – SunOS 5.10: /usr/bin/tip patch**

4706048

- **124999-01 – SunOS 5.10: mc-us3 driver patch**

6469394

- **125022-01 – SunOS 5.10: usr/sbin/sar patch**

6298631

- **125045-01 – X11 6.6.2: Xft patch**

6261221

- **125075-01 – SunOS 5.10: svc-volfs patch**

6377400

- **125166-10 – SunOS 5.10: Qlogic ISP Fibre Channel Device Driver**

4647659 6305710 6388297 6451795 6458324 6458996 6468823 6472115 6491276 6495756 6520427
 6524549 6535465 6536963 6539575 6540376 6544750 6552241 6554062 6556742 6557107 6565329
 6565491 6565963 6570892 6604467 6604993 6606974 6611104 6611264 6617216 6626169 6628808
 6637286 6640974 6644627 6657836 6660548

- **125167-01 – SunOS 5.10: gssd patch**

6253622

- **125171-02 – SunOS 5.10: dad driver patch**

6431969 6545564

- **125172-01 – SunOS 5.10: llc2 driver patch**

6433791 6466066

- **125174-02 – SunOS 5.10: tl driver patch**

6452679 6460268

- **125184-05 – SunOS 5.10: Sun Fibre Channel Device Drivers**

6335574 6389200 6401604 6460562 6461752 6463248 6478332 6485282 6500300 6500633 6517026
6518348 6526457 6527334 6532746 6558400 6574680 6584034

- **125211-01 – SunOS 5.10: SunFreeware zlib patch**

6464983

- **125213-02 – SunOS 5.10 : SunFreeware zlib man pages patch**

6464983 6522852

- **125215-02 – SunOS 5.10: SunFreeware wget patch**

6215177 6542839

- **125217-01 – SunOS 5.10: SunFreeware wget man pages patch**

6215177

- **125279-05 – CDE1.6: dtsession patch**

6494012 6547678 6556383 6597071 6626788

- **125281-02 – CDE1.6: sdtimage patch**

6483532

- **125285-03 – SunOS 5.10: Japanese font patch**

6462327 6526947 6601518

- **125293-03 – SunOS 5.10: Japanese iconv patch**

6461920 6461923 6534195 6545843 6637653

- **125332-02 – JDS 3: Macromedia Flash Player Plugin Patch**

6491186 6555685

- **125388-01 – SunOS 5.10: SNIA Multipath Management API and Multipathing Utilities**

6468489

- **125474-01 – X11 6.8.0: Xorg client libraries patch**

6424870

- **125499-01 – SunOS 5.10: chmod chown Patch**

4171523

- **125505-01 – SunOS 5.10: daktari and cherrystone header files patch**

6240925 6395645

- **125531-02 – Gnome 2.6.0: File System Examiner Patch**

6444322 6615540

- **125533-06 – Gnome 2.6.0: Trusted Extension Runtime Patch**

6515776 6484418 6520725 6487689 6504459 6499185 6495454 6487704 6487643 6488675 6534384
6534359 6549569 6552691 6547303 6549616 6549621 6569991 6569782 6547342 6588919 6533296
6550104 6573285 6584062 6571722 6574943 6641293 6648718 6649549 6603746 6599865

- **125537-01 – GNOME 2.6.0: GNOME post script viewer**

6551964

- **125539-03 – Mozilla 1.7: Mozilla Firefox Web browser**

6582544 6619093 6644698

- **125541-02 – Mozilla 1.7: Mozilla Thunderbird email client**

6582544 6644698

- **125543-02 – GNOME 2.6.0: GNOME panel applets**

4951406 6577129

- **125545-01 – GNOME 2.6.0: GNOME Performance Meter**

6557071

- **125549-01 – SunOS 5.10: logins patch**

5003383 6290721 6294509

- **125551-01 – SunOS 5.10: librestart patch**

5079397

- **125719-10 – X11 6.8.0: Xorg server patch**

6563653 6568258 6579866 6533895 6536092 6580970 6582847 6594444 6607872 6589829 6627712
6628854 6351300 6635727 6635732 6635740 6635721 6640505 6636174 6366603 6489660 6642762
6641737 6646626 6623734 6554541 6278039 6660115 6551083 6471196 6618220

- **125725-02 – X11 6.6.2: xinerama patch**

6489136 6550481 6551520

- **125731-02 – SunOS 5.10: XML and XSLT libraries patch**

6193876 6418670 6570772 6622037 6642649

- **125891-01 – SunOS 5.10: libc_psr_hwcap.so.1 patch**

6315997 6325559 6485804 6565395 6612003

- **125894-01 – SunOS 5.10: cut patch**

6449809

- **125898-01 – SunOS 5.10: locator patch**

6347537 6487057

- **125905-01 – SunOS 5.10: keytables patch**

6521752

- **125952-04 – Sun Java Web Console 3.0.2: Support for Application Server 8.2 EE**

6516483 6486816 6491335 6496980 6498276 6498951 6505096 6514835 6515895 6515930 6519616
6521511 6529094 6519423 6527115 6531703 6526812 6534701 6540441 6515994 6534421 6534399
6563091 6563667

- **126117-02 – CDE 1.6: DtPower patch**

6341099 6230473 6613360

- **126119-01 – CDE 1.6: sys-suspend patch**

6395883

- **126133-02 – SunOS 5.10: sshd Patch**

6432083 6460128 6509089 6527064 6552966

- **126206-04 – SunOS 5.10: zebra ripd quagga patch**

6268590 6268595 6524504 6553389 6554276 6578890 6606039 6607647 6610223 6610228

- **126260-01 – SunOS 5.10: logadm patch**

4824041 5107935 6369440 6448850 6497726

- **126262-01 – SunOS 5.10: prctl patch**

6201729

- **126363-03 – SunOS 5.10: X Window System changes - Solaris Trusted Extensions**

6481697 6499786 6505706 6486416 6540571 6575597 6604583 6583888 6554807 6627898 6586710
6584054 6526120 6630643 6633503

- **126365-06 – SunOS 5.10: CDE Desktop changes - Solaris Trusted Extensions**

6363278 6395845 6433584 6451691 6465966 6467055 6472270 6487195 6504080 6535584 6535882
 6550677 6552669 6550983 6593992 6622051 6608207 6470188 6569010 6564859 6626727 6649183
 6661542

- **126425-01 – SunOS 5.10: fsckall patch**

6431414

- **126428-01 – SunOS 5.10: e1000g patch**

6428335 6454256 6458975 6458990 6459125 6459175 6460844 6461277 6464716 6479343

- **126430-01 – SunOS 5.10: libcurses patch**

6494168

- **126440-01 – SunOS 5.10: rm patch**

6296436 6399959 6479906

- **126442-01 – SunOS 5.10: ac97.h patch**

6301905 6444365 6469613

- **126444-01 – SunOS 5.10: sys/regset.h patch**

6493033

- **126530-01 – SunOS 5.10: SNIA Multipath Management API Libraries and scsi_vhci driver**

6514145

- **126540-02 – SunOS 5.10: libumem library patch**

6308756 6317793 6341280 6385367 6410523 6533110

- **126542-02 – SunOS 5.10: snmpdx and mibiisa patch**

6227115 6228341 6275006 6277029 6411493 6419923 6533826

- **126544-01 – SunOS 5.10: snmpdx manifest patch**

6461434

- **126546-01 – SunOS 5.10: Bash patch**

6231865

- **126585-02 – SunOS 5.10: auto_ef patch**

6531900 6533747 6533757 6547913

- **126630-02 – SunOS 5.10: tcsh patch**

6513408 6593766

- **126649-01 – SunOS 5.10: sulogin patch**

6189407

- **126653-01 – SunOS 5.10: md patch**

6322048

- **126655-01 – SunOS 5.10: poll driver patch**

6422458

- **126657-01 – SunOS 5.10: timex patch**

6451790 6524847

- **126674-01 – SunOS 5.10: libssl patch**

6555870

- **126738-02 – SunOS 5.10: Patch for European Region TJDS messages**

6482943 6492997 6507541 6570643

- **126740-02 – SunOS 5.10: Patch for Asian Region TJDS messages**

6482943 6492997 6507541 6570643

- **126742-01 – SunOS 5.10: Patch for Japanese TJDS messages**

6482943 6492997 6507541

- **126868-01 – SunOS 5.10: SunFreeware bzip2 patch**

6353235 6578725 6578738

- **127127-11 – SunOS 5.10: kernel patch**

4144591 4170577 4231043 4299193 4327963 4331220 4470602 4520634 4634017 4654814 4691624
4705526 4706595 4721285 4721729 4726116 4766208 4773220 4822287 4854431 4868863 4925453
4926742 4941143 4944187 4984023 4994469 5008950 5034117 5039273 5050137 5062050 5067964
5068505 5073041 5076574 5076585 5100134 5104883 6174735 6183314 6188861 6189209 6193414
6193587 6194864 6195428 6196513 6199119 6203833 6204434 6207400 6207818 6208921 6211857
6212301 6214188 6214493 6215509 6215816 6217375 6218500 6219223 6220312 6220814 6221296
6222114 6222297 6222334 6222467 6222697 6222906 6222929 6223931 6224704 6225464 6225779
6226297 6226862 6227805 6230146 6231403 6231897 6234740 6234782 6234932 6235070 6236627
6236968 6237338 6237582 6239271 6239954 6241243 6241251 6241264 6242789 6242993 6243099
6243574 6243759 6245378 6246102 6246115 6246967 6248515 6248701 6249682 6249979 6250164
6250268 6251636 6251822 6252894 6253744 6254159 6256312 6256649 6259944 6260520 6262344
6262680 6263122 6264344 6264514 6264775 6268829 6271231 6271235 6271754 6275400 6275641
6276074 6276483 6276770 6278388 6278572 6278578 6278709 6280029 6280644 6281386 6281864

6285582	6286167	6286372	6286821	6287034	6289186	6290693	6291368	6292092	6292709	6292874
6293320	6294710	6294758	6296143	6296612	6297628	6299080	6300839	6303165	6303365	6303768
6306708	6308057	6309250	6311428	6312101	6314007	6314953	6317227	6317341	6317677	6317991
6320326	6320368	6320374	6323244	6327235	6328321	6330182	6331128	6331488	6334314	6335616
6337408	6337779	6339235	6339802	6340684	6343604	6343698	6344030	6345493	6346505	6348298
6348308	6348554	6351671	6351677	6351793	6354746	6355094	6355096	6355106	6355623	6356282
6358047	6358066	6358078	6359452	6359546	6361020	6361241	6362366	6362413	6362844	6363519
6364866	6365221	6365800	6365805	6366878	6367849	6368089	6368332	6368812	6370615	6371252
6371257	6372133	6372169	6372587	6372720	6373368	6373525	6374522	6375429	6377121	6377862
6378200	6378797	6379529	6380111	6380193	6380982	6381712	6382587	6386233	6386365	6387359
6387940	6388077	6388132	6388600	6388708	6389053	6389255	6390413	6390530	6391405	6392121
6393769	6394510	6394527	6394558	6396043	6396445	6396614	6397779	6397860	6398068	6398097
6398111	6399903	6400119	6400152	6400920	6400982	6401645	6401917	6401926	6402084	6402328
6402611	6403168	6403208	6403830	6404003	6405992	6406198	6406993	6407822	6408660	6409022
6409418	6409884	6410330	6410385	6410536	6410719	6410987	6411336	6413031	6413702	6414179
6415092	6415231	6415578	6415909	6416097	6416922	6418521	6419764	6419989	6421340	6421427
6422928	6425184	6425194	6426085	6426973	6427002	6427559	6428658	6429888	6430773	6430878
6432114	6432897	6433438	6434615	6435512	6436297	6436449	6437354	6437543	6437722	6437772
6438076	6439953	6439960	6440562	6440682	6441220	6442215	6442422	6443044	6443139	6443522
6443855	6445808	6446083	6446158	6446494	6447898	6447961	6449192	6449195	6449207	6449294
6449436	6449532	6449567	6449836	6450494	6450539	6451134	6451146	6451435	6452822	6454036
6454630	6455548	6455727	6455749	6456223	6456476	6457661	6457712	6457722	6457723	6457857
6458110	6458639	6459412	6459470	6459489	6460097	6460287	6461636	6461867	6462690	6462751
6462780	6462782	6462816	6463419	6464106	6464161	6464284	6464843	6465359	6465368	6466149
6466249	6466370	6467218	6467522	6467859	6468068	6468144	6468753	6468866	6469395	6469894
6470189	6470835	6472072	6472192	6473039	6473274	6473508	6474978	6475380	6475878	6476024
6476279	6476400	6476615	6476772	6476982	6477688	6477713	6477808	6478031	6478257	6478436
6479152	6479452	6479819	6479848	6479921	6479968	6479998	6480294	6480448	6480891	6482459
6482731	6483054	6483528	6483684	6483747	6484670	6484879	6486273	6486759	6486772	6486967
6487262	6487898	6488443	6489144	6489365	6489536	6490108	6490114	6490305	6490453	6490623
6491129	6491350	6491717	6491754	6491792	6491804	6491971	6491978	6492023	6492045	6492246
6492317	6492414	6492718	6492937	6493158	6493689	6494228	6494678	6494799	6494805	6494834
6495303	6495401	6495918	6496124	6496710	6496719	6497055	6497289	6497703	6498304	6498368
6498936	6498937	6499339	6499500	6500001	6500134	6500183	6500293	6500505	6500592	6500850
6501039	6501187	6501533	6501667	6501793	6502231	6502249	6502485	6502578	6502755	6502814
6503394	6503395	6504327	6504776	6505228	6505251	6505607	6506176	6506181	6507344	6507372
6507422	6507462	6507472	6508442	6508590	6510052	6510054	6510056	6510396	6510425	6510640
6510878	6511472	6511955	6512188	6512526	6512756	6512841	6513084	6513209	6513446	6513610
6513658	6513817	6514060	6514091	6514387	6515558	6516159	6516892	6516954	6517033	6517335
6517798	6518015	6518277	6518283	6518395	6518672	6519009	6519396	6519494	6519579	6519849
6519970	6520079	6520280	6520554	6521578	6521579	6521580	6521582	6521586	6521591	6521594
6521600	6521608	6521624	6521939	6521984	6522110	6522339	6522433	6522643	6523309	6523310
6523336	6523456	6523684	6523815	6523887	6524100	6524404	6525102	6525116	6525121	6525123
6525558	6525647	6525871	6526159	6526408	6526418	6527491	6527515	6527622	6527696	6527759
6527781	6528027	6528156	6528189	6528212	6528233	6528391	6528737	6528905	6529061	6529479
6529794	6529883	6530148	6530223	6530331	6530536	6530592	6530616	6530654	6530678	6530757
6531030	6531069	6531260	6531266	6531269	6531423	6531557	6531673	6531684	6531842	6531913
6532164	6532208	6532510	6532588	6532593	6532872	6532924	6533113	6533118	6533126	6533631

6533634	6533743	6533773	6533810	6533813	6533833	6533900	6534456	6534608	6534610	6534615
6534935	6534968	6535003	6535028	6535100	6535160	6535217	6535620	6535669	6536058	6536151
6536262	6536478	6536482	6536532	6537251	6537305	6537307	6537509	6537759	6537762	6538562
6538725	6538758	6538881	6539128	6539184	6539243	6539524	6539545	6539602	6539878	6539890
6539897	6539930	6540209	6540436	6540535	6540634	6540759	6541095	6541615	6541689	6541750
6541786	6541848	6542241	6542435	6542560	6542578	6542609	6542759	6542879	6542909	6543601
6543604	6543897	6544121	6544140	6544174	6544226	6544484	6544686	6544691	6544706	6544737
6544740	6544741	6544946	6544956	6545057	6545059	6545143	6545198	6545568	6545604	6545607
6545632	6545662	6545681	6545685	6545740	6546036	6546164	6546188	6546465	6546475	6546482
6546498	6546511	6546528	6546543	6546661	6546662	6547084	6547159	6547176	6547200	6547235
6547427	6547695	6548245	6548279	6548867	6549126	6549251	6549634	6549776	6549922	6550352
6550585	6550591	6550646	6550695	6550849	6550889	6550904	6550982	6551035	6551253	6551356
6551376	6551464	6551466	6551509	6551627	6551884	6551951	6552207	6552234	6552251	6552253
6552599	6552853	6553056	6553115	6553178	6553385	6553898	6554029	6554177	6554353	6554450
6554459	6554471	6554499	6554556	6554648	6554681	6554738	6554813	6554976	6555028	6555057
6555239	6555243	6555258	6555261	6555463	6555540	6555620	6555642	6555845	6555971	6556056
6556067	6556134	6556139	6556410	6556778	6556794	6556795	6556832	6556852	6556853	6556989
6557005	6557021	6557158	6557332	6557371	6557471	6557684	6557767	6557824	6557833	6557970
6558280	6558331	6558383	6558449	6558456	6558487	6558692	6558878	6558936	6558942	6558947
6558981	6559115	6559294	6559330	6559504	6559509	6559552	6559678	6559712	6559924	6560113
6560317	6560371	6560684	6560821	6561300	6561389	6561392	6561445	6561880	6561987	6562046
6562125	6562152	6562202	6562292	6562470	6562537	6562625	6562771	6562946	6563180	6563508
6563686	6563785	6564048	6564140	6564144	6564290	6564714	6564718	6564800	6564804	6564806
6564842	6564934	6565044	6565142	6565168	6565314	6565347	6565574	6565761	6565846	6565934
6566019	6566028	6566044	6566086	6566097	6566235	6566239	6566354	6566442	6566457	6566710
6566815	6567031	6567055	6567137	6567218	6567634	6567838	6568352	6568417	6568476	6568745
6568863	6569444	6569719	6569931	6570016	6570225	6570231	6570271	6570293	6570427	6570434
6570682	6570902	6571223	6571242	6571370	6571487	6571564	6571988	6572295	6572547	6572593
6572623	6572672	6572719	6572760	6572885	6572891	6573019	6573175	6573332	6573361	6573375
6573381	6573492	6573600	6573657	6573680	6574184	6574267	6574573	6575030	6575050	6575117
6575192	6575216	6575452	6575608	6576808	6577125	6577127	6577156	6577279	6577453	6577516
6577595	6577639	6577856	6577995	6578410	6578427	6578483	6578581	6578761	6578918	6578997
6579032	6579042	6579171	6579256	6579605	6581368	6581552	6581720	6581978	6582037	6582327
6582448	6582507	6583268	6583303	6583461	6583594	6583738	6584200	6584213	6584239	6584668
6584901	6584984	6585189	6585265	6585396	6585659	6585923	6586050	6586116	6586123	6586280
6586286	6586414	6586422	6586580	6586617	6586847	6587024	6587384	6587389	6587396	6587467
6587471	6587576	6587723	6587791	6588026	6588161	6588204	6588278	6588386	6588452	6589066
6589155	6589158	6589362	6589546	6589662	6589682	6589799	6590132	6590291	6590401	6590748
6591190	6591195	6591399	6591680	6591817	6591825	6591891	6591973	6592150	6592238	6592268
6592272	6592943	6592959	6593052	6593231	6593274	6593313	6593315	6593891	6593908	6593961
6594010	6594025	6594328	6594536	6594889	6594969	6595101	6595197	6595654	6595668	6595920
6596123	6596239	6596320	6596325	6596819	6596850	6597002	6597303	6597405	6597711	6597746
6597751	6597851	6598279	6598427	6598545	6598910	6598913	6599061	6599099	6599100	6599105
6599124	6599537	6599547	6599707	6599934	6599950	6600077	6600176	6600334	6600745	6600775
6601271	6601498	6601767	6601832	6601884	6602070	6602208	6602294	6602323	6602538	6602575
6602698	6602806	6603018	6603165	6603269	6603593	6603899	6604040	6604462	6604983	6605138
6605212	6605701	6605707	6605716	6605975	6606177	6606361	6606619	6606627	6606751	6606981
6607061	6607149	6607626	6607637	6607643	6607874	6607946	6607995	6608351	6608620	6608691

6608977 6609144 6609526 6609869 6609971 6610044 6610046 6610117 6610415 6610789 6611211
 6611921 6612154 6612334 6612562 6612761 6612782 6612821 6612914 6613109 6613175 6613189
 6613314 6613514 6614078 6614449 6614856 6614966 6615584 6615891 6616073 6616180 6616222
 6616313 6616435 6616525 6616610 6616749 6616982 6617132 6617336 6617448 6617465 6617555
 6617844 6617959 6618344 6618414 6618501 6618868 6618954 6619031 6619911 6619947 6620275
 6620285 6620322 6620345 6620393 6620429 6620609 6620843 6620864 6620868 6620907 6620917
 6620921 6620927 6620943 6620982 6621202 6621211 6621222 6621289 6621380 6621430 6621520
 6621858 6622173 6622756 6622757 6622758 6622823 6623009 6623153 6623731 6623776 6623790
 6623870 6624293 6624361 6624546 6625336 6625536 6626071 6626104 6626207 6626392 6626457
 6626491 6627005 6627055 6627072 6627188 6627226 6627266 6627354 6627804 6627933 6627976
 6628101 6628163 6628254 6628289 6630091 6630293 6630487 6630945 6631113 6631396 6631406
 6631732 6632134 6632938 6633535 6633932 6633943 6634002 6634070 6634097 6634315 6634346
 6634417 6634790 6636324 6636727 6636880 6637018 6637030 6637460 6637615 6638155 6638173
 6638601 6639770 6639789 6639871 6639934 6641084 6641408 6642234 6642308 6642582 6642885
 6644586 6644742 6644829 6644848 6644851 6644868 6647403 6647644 6648091 6648639 6650203
 6653767 6654985 6655404 6657109 6657170 6657729 6657786 6660081 6660544 6661003 6667939
 6669674 6669798

- **127541-01 – X11 6.8.0: xman patch**

6504978

- **127638-01 – CDE 1.6: dtterm patch**

6554559

- **127724-01 – SunOS 5.10: xntpd patch**

6476729

- **127726-01 – SunOS 5.10: getent patch**

6490974

- **127737-01 – SunOS 5.10: fifofs patch**

6525463

- **127752-01 – SunOS 5.10: SUNW,Netra-CP3060 platform symlinks patch**

6562542

- **127759-01 – SunOS 5.10: sar -c incorrectly reports averages due to 32bit truncation Patch**

6521106

- **127762-01 – SunOS 5.10: Label daemon cores upon file moves in libtsol Patch**

6547464

- **127784-01 – SunOS 5.10: SunFreeware bzip2 man pages patch**

6353235 6578725 6578738

- **127853-01 – SunOS 5.10: sad driver patch**

6551461

- **127856-01 – SunOS 5.10: hme patch**

5005976 5076750 6235003 6240490 6554790

- **127866-02 – SunOS 5.10: ufs hang patch**

6249442 6519314

- **127868-01 – SunOS 5.10: mv patch**

6493712

- **127872-01 – SunOS 5.10: usr/bin/mailx patch**

6233613 6237411 6460901

- **127878-01 – SunOS 5.10: usr/bin/du patch**

6575513

- **127882-02 – SunOS 5.10: sendmail and mail(1) patch**

6258349 6419990 6476317 6563321 6568603

- **127884-01 – SunOS 5.10: awk patch**

5004023 5040318 5074811 5090114 6195584 6320514 6337300 6368966 6446725 6536154

- **127888-06 – SunOS 5.10: ipf patch**

6231883 6354418 6528018 6528419 6528552 6531894 6532393 6552365 6561278 6564748 6575084
6599516 6603271 6653172

- **127892-04 – SunOS 5.10: UFS utilities patch**

1260290 4063945 4215923 4471706 4775289 4799697 4836779 4845221 4857410 4872089 4890510
5004701 5086715 5096886 6175186 6184783 6198523 6208131 6217870 6223375 6240363 6245090
6250211 6256157 6256372 6262573 6264883 6265542 6277961 6284968 6303398 6312941 6312946
6312949 6312954 6322005 6322205 6332352 6335370 6337437 6338081 6338386 6338653 6341429
6345690 6346183 6351165 6352196 6354381 6354997 6355634 6360864 6362641 6365138 6367777
6367948 6379909 6381344 6389326 6389488 6421216 6427134 6431006 6433679 6438911 6446463
6477410 6498206 6507293 6532475 6542641 6547966 6577707

- **127914-01 – SunOS 5.10: lofiadm patch**

6469348

- **127922-03 – SunOS 5.10: cpio Patch**

- 4163620 6500984 6533999
- **127959-01 – SunOS 5.10: rpcsec patch**
- 6273779 6554841 6591024
- **127970-01 – SunOS 5.10: find patch**
- 6513046
- **127974-01 – SunOS 5.10: in.routed patch**
- 6498249
- **127976-04 – SunOS 5.10: in.mpathd Patch**
- 6397456 6452686 6532784 6557708
- **127980-01 – SunOS 5.10: KMF Patch**
- 6542973 6547594 6547853
- **127986-01 – SunOS 5.10: rpc.metad patch**
- 6395425 6434946
- **127994-01 – SunOS 5.10: xargs patch**
- 6203159 6323628 6459214
- **127997-01 – SunOS 5.10: libfru patch**
- 6309900 6325788 6374002 6430721 6462080
- **127998-01 – SunOS 5.10: kssladm patch**
- 6512691
- **128000-01 – SunOS 5.10: in.ftpd patch**
- 5073203 6239487 6497773 6501388 6514700
- **128004-01 – SunOS 5.10: headerfile patch**
- 6281341
- **128006-04 – SunOS 5.10: usbsksp Patch**
- 6458404 6624375 6634632 6665730
- **128008-01 – SunOS 5.10: libaio Patch**
- 6497333 6580356
- **128292-01 – SunOS 5.10: rsm Patch**

6564175

- **128294-02 – SunOS 5.10: rpcmod patch**

4728034 4859528 6530310 6545828

- **128296-01 – SunOS 5.10: pcfs and pc_node.h patch**

6217236 6351785 6364444 6442904 6467209

- **128298-01 – SunOS 5.10: se patch**

5069986 6470598 6535714

- **128300-03 – SunOS 5.10: zoneinfo patch**

6226357 6348147 6380398 6440139 6497364 6512648 6542933 6597032 6606060 6636785 6645893

- **128304-03 – SunOS 5.10: ehci and scsa2usb patch**

6555956 6571758 6575701 6635751

- **128306-03 – SunOS 5.10: devfs patch**

6338586 6428337 6526639 6661245

- **128310-01 – SunOS 5.10: hsfs patch**

6489267

- **128316-01 – SunOS 5.10: efcode.cleanup.sh patch**

6474048

- **128318-01 – SunOS 5.10: ssh-keygen patch**

6448031

- **128322-01 – SunOS 5.10: dhcpagent patch**

6396937 6514851 6524645 6525108 6528047 6541139 6541633 6544439 6556196 6564306 6607154

- **128324-02 – SunOS 5.10: ixgb patch**

6341836 6487956 6510988 6512004 6551317 6561420 6575448 6578630

- **128326-01 – SunOS 5.10: sip patch**

6461142 6480199 6481951 6484530 6503334 6577343 6583537

- **128328-01 – SunOS 5.10: usbms patch**

6584571

- **128330-01 – SunOS 5.10: pax patch**

6300407 6324879 6383586 6598412

- **128332-01 – SunOS 5.10: conskbd patch**

6610208

- **128334-01 – SunOS 5.10: ibd patch**

6389119

- **128340-01 – SunOS 5.10: in.iked patch**

6608507 6620028

- **128342-01 – SunOS 5.10: ksh and sh patch**

4237652 4402737 6208198 6261715 6264121 6277643

- **128350-01 – SunOS 5.10: dhcpgmgr.so.1 Patch**

6649124

- **128402-02 – SunOS 5.10: etc/default/kbd patch**

6531321 6665088

- **128410-01 – SunOS 5.10: mc-us3i driver patch**

6410586

- **136699-01 – X11 6.6.2: Xvnc patch**

6572087

- **136724-01 – GNOME 2.6.0: Gnome Help Viewer Patch**

6557388

- **136839-01 – Service Tags**

6628800 6628801 6628807 6628819 6629884 6603009 6615494 6613776 6634402 6615486 6616213
6618774 6560550 6570928 6570978 6599690 6601396 6616074 6635699

- **136882-01 – SunOS 5.10: ImageMagick patch**

6387973 6387975

- **136885-03 – SunOS 5.10: iscsi patch**

6415430 6591494 6601021 6614240 6641710 6649178

- **136998-02 – SunOS 5.10: PostgreSQL 8.2 core patch**

6563010 6583234 6590844 6605745 6606798 6618780 6630427 6643754 6649753

- **137000-02 – SunOS 5.10: PostgreSQL 8.2 documentation patch**

6630427 6643754

- **137002-01 – SunOS 5.10: PostgreSQL 8.2 TCL binding library patch**

6590844 6630427

- **137004-02 – SunOS 5.10: PostgreSQL 8.2 source code**

6630427 6643754

- **137017-01 – SunOS 5.10: crontab patch**

6344121

- **137019-01 – SunOS 5.10: snmpXdmid patch**

6450410

- **137021-01 – SunOS 5.10: format patch**

6375238 6382698 6491236

- **137023-01 – SunOS 5.10: time.h patch**

6506270

- **137028-01 – SunOS 5.10: pcihp patch**

6527811

- **137030-01 – SunOS 5.10: praudit patch**

6579524

- **137032-01 – SunOS 5.10: namefs patch**

6581308

- **137034-01 – SunOS 5.10: ttymon patch**

6586939

- **137036-01 – SunOS 5.10: cdrw patch**

5097578 6226041 6237805 6237817 6239665 6297848 6327126 6346283 6372024 6373496 6374677
6383886 6416089 6426744 6592397 6614671 6619804

- **137046-01 – SunOS 5.10: Flash Archive patch**

6472153

- **137048-01 – SunOS 5.10: etc/flash/precreation/caplib patch**

5062145 6261859 6297798 6357980 6370222 6370368 6371413 6376429 6376682 6428121 6446353
6482875

- **137049-01 – SunOS 5.10: audio1575 driver patch**
6567521
- **137080-01 – SunOS 5.10: libpng Patch**
6555900
- **137084-01 – SunOS 5.10: setfacl patch**
4769168
- **137086-01 – SunOS 5.10: zoneadmd patch**
6616075
- **137088-01 – SunOS 5.10: tar patch**
6205524 6578528
- **137090-01 – SunOS 5.10: rmc_comm, rmclomv patch**
6428213 6476814 6616130 6629649
- **137091-01 – SunOS 5.10: arp patch**
6633378
- **137093-01 – SunOS 5.10: logindevperm patch**
6350890
- **137095-01 – SunOS 5.10: libfmd_snmp.so.1 patch**
6480198 6541833
- **137097-01 – SunOS 5.10: inetd-upgrade patch**
6392582
- **137099-01 – SunOS 5.10: pcie patch**
6597154
- **137102-01 – SunOS 5.10: flowacct patch**
6509271 6574028 6617250
- **137115-01 – SunOS 5.10: SUNWcsr/postinstall patch**
6614543

- **137147-03 – SunOS 5.10: libexpat patch**

6544688 6657045 6666579

- **137274-01 – SunOS 5.10: etc/mnttab patch**

6452799

- **137276-01 – SunOS 5.10: uucico patch**

6500236 6542991

- **137278-01 – SunOS 5.10: ipsecconf patch**

6629735 6629812

- **137280-01 – SunOS 5.10: dld patch**

6508808 6607099

- **137282-01 – SunOS 5.10: intpexec patch**

4848995

- **137321-01 – SunOS 5.10: p7zip patch**

6657692

- **119079-13 – SunOS 5.10: Script Patch**

6210697 6223059 6226968 6233613 6238277 6242365 6243456 6256312 6273106 6302827 6324123
6326533 6231947 6251841 6222202 6217410 6344138

- **119088-11 – SunOS 5.10: SPECIAL PATCH: SUNWqlc package install updates patch**

6210934 6236343 6292280 6292987 6303297 6320936 6321523 6428334 6430552 6439910 6458629
6520427 6611264 6617216 6644627

- **119092-10 – SunOS 5.10: SPECIAL PATCH: iSCSI Script Patch to replace package scripts**

5094124 6207973 6213487 6239078 6251575 6380424 6394294 6418007 6449666 6484779

- **120224-07 – SunOS 5.10: SPECIAL PATCH: Emulex-Sun Fibre Channel Adapter driver**

6267262 6325753 6333054 6333059 6340896 6340901 6447084 6466086 6513802 6609814 6624434

- **120274-01 – SunOS 5.10: SPECIAL PATCH: For postinstall File**

6191915

- **120344-01 – SunOS 5.10: SPECIAL PATCH: Common Fibre Channel HBA API Library Script Patch**

6202863 6239116

- **120416-06 – SunOS 5.10: SPECIAL PATCH: class action scripts patch**

6362324 6399243 6415636 6388988 6216641

- **120452-01 – SunOS 5.10: SPECIAL PATCH: For editable files only**

5006767

- **120690-01 – SunOS 5.10: SPECIAL PATCH : For depend File**

6299541

- **120746-01 – SunOS 5.10_sparc, SUNWswmt patch**

6314804

- **120825-01 – SunOS 5.10: SPECIAL PATCH: FJSVpiclu depend file**

6318307

- **120837-01 – SunOS 5.10: SPECIAL PATCH: For DEPEND Files**

6213629 6317245

- **120932-01 – Solaris 10 U1: Live Upgrade to S10U1 fails due to checkinstall script**

6320417

- **120934-01 – Solaris 10 U1: Live Upgrade to S10U1 fails due to SUNWcccr postinstall**

6320433

- **121061-01 – SunOS 5.10: motd Patch**

6222495

- **121306-02 – SunOS 5.10: SPECIAL PATCH: For package level scripts only**

6323208 6336160

- **121463-08 – GNOME 2.6.0: Gnome Accessibility Libraries Patch**

6347858 6340516 6358227 6386230 6431039 6377106 6437617 6534092 6554390

- **121549-01 – SunOS 5.10: SPECIAL PATCH: FJSVdrdr.us r.mainfest file**

6231947

- **121575-01 – SunOS 5.10: SPECIAL PATCH: For package level scripts only**

6345097

- **121671-01 – GNOME 2.6.0: SPECIAL PATCH for SUNWPython package**

6199942 6247860 6318436 6318475 6340077

- **121679-02 – SunOS 5.10: SPECIAL PATCH: Japanese Input System Wnn patch**

6362324

- **121778-12 – SunOS 5.10: Script Patch**

4920408 4931229 5026812 6229153 6232332 6287428 6301944 6336517 6340983 4108775 6338660
6338653 6303973 6426899 6434795 6345641

- **121780-11 – SunOS 5.10: SPECIAL PATCH: For EDITABLE Files**

4831622 4920408 4931229 6178604 6232332 6301944 6353217 6313684 4108775 6299476 6338653
6403183 6377502 6427081 6426899 6345641

- **122021-01 – SunOS 5.10: SPECIAL PATCH: For depend File**

6251877 6318184

- **122180-01 – SunOS 5.10: Patch for North African locale issues**

6348993

- **122225-01 – SunOS 5.10_sparc, SPECIAL PATCH: For Script Files**

6381140

- **122263-01 – SunOS 5.10: SPECIAL PATCH: fp plug-in for cfgadm**

6319165

- **122416-06 – SunOS 5.10: SPECIAL PATCH: class action scripts patch**

6318539 6487776 6550329 6556126 6482783 6567235 6586505

- **122700-02 – GNOME 2.6.0: Gnome libs CAS Patch**

6348450 6394047 6399245

- **122763-01 – SunOS 5.10: SunVideo 1.4 procedural patch**

6398974

- **123123-02 – SunOS 5.10_sparc, SPECIAL PATCH: For Script Files**

6423146

- **123140-01 – SunOS 5.10: SPECIAL PATCH: For package level scripts only**

6415472

- **123144-01 – GNOME 2.6.0: Gnome RealPlayer CAS Patch**

6414069

- **123259-12 – SunOS 5.10: SPECIAL PATCH: For SCRIPT patch**
- **123535-01 – APOC 1.2: depend patch**

6388397

- **123628-01 – SunOS 5.10: SPECIAL PATCH: fp Script Patch to replace install components**

6385531

- **123872-02 – SunOS 5.10_sparc, SPECIAL PATCH: For Script Files**

6450350 6466183

- **124093-02 – SunOS 5.10: SPECIAL PATCH: For package level scripts only**

6438773 5016983

- **124141-01 – CDE 1.6: SPECIAL PATCH: For SCRIPT patch**
- **124166-01 – SunOS 5.10 : SPECIAL PATCH: Script patch for 120272-06**
- **125095-15 – SunOS 5.10: SPECIAL PATCH: For SCRIPT patch**
- **125097-15 – SunOS 5.10: SPECIAL PATCH: For EDITABLE files**
- **125275-01 – SunOS 5.10 5.10_x86: JDMK 5.1 patch**

6454450

- **125312-01 – SunOS 5.10: SPECIAL PATCH: For 120719-02 patch**
- **125314-01 – SunOS 5.10: SPECIAL PATCH: For 123590-02 patch**
- **125317-01 – SunOS 5.10: SPECIAL PATCH: For 125215-01 patch**
- **125398-04 – SunOS 5.10: SPECIAL PATCH: Japanese CAS scripts update for ZONE**

6487934 6533196 6556095 6586358

- **125535-03 – Openwindows 3.7.3: SPECIAL PATCH: CAS scripts patch for ZONE**

6546216 6556140 6586553

- **125721-05 – X11 6.6.2: SPECIAL PATCH: CAS scripts patch for ZONE**

6511222 6465304 6533151 6551011 6569917 6586407

- **125733-01 – SunOS 5.10: SPECIAL PATCH: For 125731-01. SCRIPT patch**
- **125735-01 – SunOS 5.10: SPECIAL PATCH: For 123590-03 patch**
- **125978-08 – SunOS 5.10: SPECIAL PATCH: For package level scripts only**

4745537 6264796 6480573 6386531 6474558 6486471 6555501 6560447

- **126121-01 – CDE 1.6: SPECIAL PATCH: For SCRIPT patch**
- **126123-01 – CDE 1.6: SPECIAL PATCH: For SCRIPT patch**
- **126212-01 – SunOS 5.10: SPECIAL PATCH: depend files patch**

6480370 6517773

- **126639-07 – SunOS 5.10: SPECIAL PATCH: For SCRIPT patch**
- **126918-01 – SunOS 5.10: TRUSTED EXTENSIONS SCRIPT PATCH**

6563180

- **127685-02 – CDE 1.6: SPECIAL PATCH: For SCRIPT patch**
- **128010-10 – SunOS 5.10: SPECIAL PATCH: For SCRIPT patch**
- **128011-10 – SunOS 5.10: SPECIAL PATCH: For EDITABLE files**
- **128355-09 – SunOS 5.10: SPECIAL PATCH: Script patch for SFW 10 and Solaris 10 update 5 build 10**
- **137142-02 – SunOS 5.10: Fujitsu special patch**

6651407 6658460

x86 Patch List

- **120901-03 – SunOS 5.10_x86: libzonecfg patch**

6218854 6328286 6346201

- **121334-04 – SunOS 5.10_x86: zoneadmd, zlogin and zoneadm patch**

6328286 6329667 6346201 6393109 6393649

- **119255-53 – SunOS 5.10_x86: Install and Patch Utilities Patch**

4905325 4907080 4908553 4967419 4991875 5045607 6188748 6196673 6206255 6210622 6216195
6216798 6216809 6217206 6218542 6219176 6220578 6221954 6224740 6224767 6225041 6226770
6226930 6231818 6233011 6233738 6236231 6236796 6236855 6236866 6239875 6240894 6241052
6241431 6241944 6242607 6243480 6244125 6245446 6245715 6248984 6251452 6251466 6252385
6252388 6256515 6262677 6263190 6265069 6266241 6271791 6274438 6275530 6275557 6276148
6277096 6278325 6279485 6284610 6285073 6288746 6290368 6290429 6290432 6292233 6292269
6292275 6293397 6296187 6297336 6303564 6304174 6304176 6304222 6306319 6307548 6309013
6313848 6315157 6315316 6315512 6318864 6319430 6319570 6320238 6321376 6322837 6323208
6324392 6328091 6331277 6334066 6335342 6337009 6337644 6340114 6342245 6344531 6344676
6344916 6345121 6347534 6348813 6349319 6351408 6351428 6352966 6354346 6355320 6355604
6360157 6362706 6363226 6364817 6369639 6370540 6371040 6371745 6373045 6374972 6380672
6380873 6386697 6387091 6387771 6388931 6388959 6389929 6391503 6392825 6397413 6401302
6406489 6406934 6407037 6412093 6412140 6412749 6412765 6412965 6413788 6421944 6425837

6433028 6435846 6438808 6438813 6440750 6443298 6444650 6445261 6452983 6456317 6464056
 6467398 6479033 6479483 6479605 6480462 6486471 6489022 6496734 6497684 6499744 6500160
 6500813 6502541 6513106 6513566 6524528 6527309 6527819 6532654 6534160 6535026 6546222
 6548606 6556250 6560447 6561150 6561926 6576150 6577070 6578686 6581814 6582345 6592096
 6612361 6617022 6626977 6632196 6634610 6644068 6644075 6646494 6650617 6668239

- **126420-01 – SunOS 5.10_x86: umountall patch**

6353778 6369392 6575177

- **113000-07 – SunOS 5.10_x86: SUNWgrub patch**

6238277 6332309 6346889 6353778 6355498

- **117181-01 – SunOS 5.10_x86: /kernel/drv/pcscsi patch**

6235392

- **117435-02 – SunOS 5.10_x86: biosdev patch**

6237903 6268888 6291914

- **117466-01 – SunOS 5.10_x86: fwtmp Patch**

6180974

- **118344-14 – SunOS 5.10_x86: Fault Manager Patch**

5076562 5083131 6181364 6183842 6202015 6202643 6213277 6216286 6218246 6218463 6219101
 6219276 6220169 6221584 6222529 6223178 6223348 6224293 6225875 6229087 6229583 6230033
 6232253 6232309 6237801 6239573 6240456 6244042 6244989 6254303 6254431 6255593 6256371
 6264225 6265569 6266851 6267828 6272568 6273144 6276462 6277362 6278369 6278378 6281100
 6281113 6282049 6284455 6286625 6295417 6298484 6298972 6298974 6298981 6305465 6307994
 6308413 6309430 6310438 6313638 6313668 6313670 6314073 6320584 6321736 6322672 6322749
 6323319 6323322 6323393 6323532 6323554 6326958 6328144 6331093 6332245 6332630 6333184
 6333617 6335522 6335549 6336193 6338081 6338653 6342066 6342823 6342977 6346926 6351025
 6354842 6356155 6359264 6359850 6363503 6365335 6365742 6365743 6366758 6366821 6366825
 6367031 6367044 6367046 6367047 6367049 6367051 6367053 6367057 6367061 6367063 6367067
 6367068 6367069 6367070 6367073 6367075 6367222 6367985 6368526 6368690 6369961 6370284
 6370798 6370802 6371490 6372151 6373071 6373879 6376283 6377319 6377640 6377690 6378297
 6378676 6379498 6381022 6383188 6384565 6384727 6385004 6385007 6385479 6385516 6388986
 6389646 6389650 6390114 6390119 6390205 6390211 6390232 6390296 6390617 6390709 6391117
 6391121 6391774 6392166 6392223 6392467 6393356 6393362 6395385 6397762 6397830 6398161
 6398325 6399875 6406417 6409768 6413110 6414182 6416496 6416735 6419218 6419771 6421627
 6421650 6422221 6422560 6423975 6424520 6424523 6425600 6426514 6428381 6428843
 6429361 6430015 6430823 6430825 6434164 6437467 6438703 6441262 6441865

- **118368-04 – SunOS 5.10_x86: csh Patch**

6209912 6230795 6282038 6307905 6311438 6314637 6336149

- **118567-01 – SunOS 5.10_x86: ping Command Patch**

6222209

■ 118668-15 – JavaSE 5.0_x86: update 14 patch (equivalent to JDK 5.0u14)

4743558 5053708 5088563 6206527 6219364 6236727 6265713 6314370 6321689 6354969 6358629
6373274 6418433 6431847 6447412 6454676 6457444 6464451 6465756 6467921 6469580 6476329
6480378 6483402 6484661 6490921 6494472 6494722 6502051 6502568 6503510 6512054 6515362
6518816 6519085 6520101 6520665 6522028 6525425 6528763 6530198 6531255 6531591 6531593
6534678 6536120 6538601 6542420 6543815 6543940 6545719 6546278 6547501 6553303 6554586
6555628 6556044 6557713 6558100 6560218 6562716 6565138 6570062 6570259 6571205 6572147
6576321 6577717 6578895 6579208 6579743 6585239 6586045 6587875 6593729 6594813 6599750
6601686 6611886 6609269 6585736 6595137 5036554 6190373 6191896 6206442 6300533 6316313
6317248 6331483 6358747 6381526 6394747 6395346 6398636 6401956 6405138 6405147 6406822
6415321 6418004 6419112 6433689 6448717 6448787 6449486 6449933 6456276 6457066 6463096
6464051 6464154 6466058 6469606 6469663 6471418 6473331 6480497 6481955 6485605 6486626
6487334 6487916 6489165 6490384 6490560 6493637 6493989 6495123 6495720 6496144 6497526
6504460 6515688 4052517 4225362 4494727 4753347 4879507 5036146 6216340 6297094 6311411
6321453 6347873 6353972 6370080 6379214 6386647 6395737 6396844 6401137 6404972 6405311
6414459 6415062 6416988 6418035 6424564 6428590 6432397 6432667 6434840 6446855 6450945
6451451 6454444 6459676 6460501 6461827 6467152 6468516 6470111 6471004 6472335 6472714
6473485 6475032 6475157 6480566 6481177 6484462 6485516 6486607 6487381 6487931 6488119
6491364 6491714 6492173 6495567 6496224 6496958 6497154 6498661 6500174 6500302 6500903
6501186 6502189 6502317 6502780 6511568 6518092 6519527 6520670 6523518 6523707 6524112
6525690 6526421 6530336 6539661 6541843 6542335 6542419 6557659 4744057 4818488 4855795
5008498 5076772 5082374 6186524 6189161 6220825 6231529 6264013 6267625 6291992 6293795
6304817 6306218 6306625 6307570 6315235 6318302 6323299 6323688 6328467 6330315 6332120
6333613 6339493 6350066 6354718 6358532 6359106 6359434 6369448 6369510 6374321 6374419
6382144 6382788 6386537 6388456 6395581 6396586 6396591 6396594 6399321 6401952 6404388
6405538 6406801 6406821 6407414 6409194 6409286 6411322 6412288 6417341 6417395 6419145
6420226 6420685 6421297 6423370 6424631 6425120 6425203 6427025 6432517 6433293 6433335
6434117 6434214 6437047 6438259 6438812 6439651 6440479 6440724 6440819 6440823 6440854
6441368 6445579 6447404 6448190 6449565 6451717 6453743 6459113 6459739 6460113 6460627
6462407 6463501 6464934 6465377 6466876 6468053 6471081 6475580 6477533 6479208 6480532
6490436 6497264 6504322 6349010 6406864 6418117 6458152 6465104 6469222 6469263 6475078
6475088 6475094 6476703 4368790 4626557 4653090 4699981 4778281 4842599 4916620 4977599
4994629 4994705 5002251 5030922 5038724 5062728 5070991 5074577 5075953 5085647 5091224
5092263 5097531 5098176 5100422 5105922 5106661 6173560 6176051 6181157 6193212 6195047
6213540 6220110 6226610 6227961 6228529 6229114 6231517 6253746 6259542 6263446 6265533
6266735 6272221 6282072 6298694 6300358 6305029 6311320 6318850 6319603 6322825 6322847
6323123 6325535 6328000 6329104 6332641 6333959 6334849 6334864 6337226 6337517 6338271
6338278 6338283 6338927 6339426 6340201 6341374 6341416 6341455 6342546 6343810 6343853
6345619 6348207 6350086 6351299 6351698 6352819 6355666 6357512 6359295 6359696 6360305
6360541 6362090 6362557 6363434 6364346 6364384 6364882 6365597 6366351 6366811 6366931
6367357 6370565 6370773 6370914 6372428 6373059 6377036 6377387 6378768 6378830 6378990
6379439 6379808 6380091 6381513 6381718 6381777 6385277 6385286 6385692 6385867 6387267
6388659 6390179 6390837 6390845 6390869 6390952 6391040 6391482 6391723 6391729 6392388
6392735 6393258 6394084 6394318 6395069 6395113 6395139 6395611 6396979 6397754 6399303
6400584 6400685 6401166 6401245 6402180 6404516 6404731 6405128 6405639 6407057 6407335
6407775 6407901 6408734 6412391 6413000 6413033 6413153 6416184 6419232 6419424 6420739

6423264	6423402	6427930	6428527	6428561	6428834	6433216	6436385	6436676	6437225	6438311
6443883	6446250	6449884	6454498	4486732	4726957	4836493	4924220	5013564	5018075	5023697
5056438	5056445	5062649	5075580	5076692	5083253	5086831	5089488	5093520	5093560	5098002
5098318	5102695	5103041	6178071	6186200	6186840	6189833	6193075	6201467	6206933	6209956
6214400	6214916	6215050	6223076	6225432	6229618	6232010	6234795	6242673	6245283	6245770
6257619	6261423	6261681	6263644	6265809	6267224	6271513	6274990	6275407	6279133	6280181
6280629	6285124	6295519	6295591	6296324	6300270	6305025	6306741	6309761	6309875	6310716
6312510	6313320	6313541	6314144	6314759	6317336	6318047	6319671	6319688	6320740	6322176
6322757	6324827	6325354	6326015	6326020	6326417	6326935	6327342	6328462	6329105	6330699
6330892	6332148	6332962	6333676	6335114	6336111	6336600	6337338	6338472	6339806	6339951
6341549	6342404	6342457	6342951	6343401	6344778	6345314	6346265	6346688	6346871	6347370
6347516	6348224	6350061	6350901	6350975	6351064	6351343	6351682	6353684	6353783	6354368
6354728	6355295	6355363	6355402	6356458	6356527	6356753	6359084	6360774	6362628	6363528
6363904	6363986	6366491	6366599	6367204	6367496	6371069	6371531	6372116	6376865	6376884
6379615	6381630	6384849	6385825	6385940	6386556	6386588	6387271	6388917	6389026	6389503
6390605	6390821	6391650	6415362	6418103	6420264	6426318	6428554	6429118	6429143	4263904
4976239	4986256	5043245	5047307	5053844	5062222	5068014	5073778	5083062	5092063	5101898
5104215	6173783	6174229	6177732	6182812	6195469	6197534	6197726	6204620	6206166	6206441
6208022	6215625	6231602	6232820	6232954	6233622	6237688	6239400	6240876	6241823	6248507
6251458	6253848	6254441	6256473	6257260	6258466	6260834	6262235	6262572	6263272	6264252
6267930	6269555	6271298	6281384	6282084	6282891	6283270	6283361	6285301	6286011	6286189
6287191	6287601	6291034	6294558	6295680	6296125	6296410	6298940	6301771	6302769	6302904
6304225	6304650	6305546	6305653	6307455	6310737	6310858	6311255	6313317	6315358	6317122
6317178	6317278	6322521	6322568	6325315	6325748	5060628	6201802	6259137	6305157	6311051
6322301	6325504	6329042	6331269	6332350	6337834	6338436	6338891	6340079	6340202	6342738
6343024	6287164	6343111	6344735	6346725	6347132	6348045	4521075	4855860	4868278	4896773
5039416	5045217	5070081	5077603	5086160	5086424	5089317	5109224	6180936	6183734	6186280
6190413	6192376	6207824	6209695	6212440	6214543	6217210	6223265	6224811	6226827	6229389
6231029	6232485	6233005	6235633	6240755	6245809	6250214	6250749	6251460	6255285	6255949
6257124	6257182	6258006	6259991	6263814	6264872	6268365	6269854	6272715	6274390	6285597
6279126	6283161	6286864	6296218	6306172	4207472	4305459	4881314	4964339	4975824	5003235
5044738	5053272	5055567	5067517	5074396	5076514	5077866	5078280	5079751	5083441	5087208
5088035	5092850	5095117	5097015	5097241	5101391	5102490	5109602	6174596	6176318	6176814
6178395	6186747	6191542	6192422	6194668	6195301	6196089	6198522	6200138	6203233	6203483
6204669	6205422	6210088	6211480	6213128	6214132	6218454	6218682	6218987	6220064	6222034
6223691	6224591	6225440	6225605	6226269	6227033	6227583	6228585	6231186	6231936	6232039
6232513	6232607	6233169	6234804	6237349	6237552	6237654	6240586	6241743	6243108	6243400
6244063	6250286	6250517	6252770	6254466	6255782	6256476	6256477	6256728	6258508	6258681
6259113	6261269	6261304	6261558	6261980	6263857	6268145	6268876	6273094	6273975	6277246
6277266	6277315	6277659	6278491	4548788	4656461	4897333	4924758	4949631	4984794	4994329
5017051	5023873	5024379	5056403	5075526	5075546	5080386	5082319	5089985	5092094	5100483
5101128	5104960	5105765	6173972	6180194	6181598	6181784	6182685	6189106	6189594	6195099
6206216	6206839	6207079	6207830	6208366	6208545	6208676	6208712	6208965	6209095	6209342
6209737	6210227	6213461	6213473	6215109	6215480	6215746	6218309	6219491	6219495	6221549
6222350	6224405	6226589	6227551	6227874	6228205	6229377	6229965	6231054	6231145	6231216
6232417	6232636	6233573	6234174	6234219	6234909	6237671	6238128	6247771	6250165	6250473
6261499	6261509	6261510	4388541	4684153	4845692	4911491	4915324	4974531	4980122	4987923
5003402	5023243	5037521	5038903	5051880	5054010	5058132	5058463	5062118	5064088	5070730

5073407 5074530 5074836 5079429 5079729 5079742 5084004 5084812 5086089 5087395 5087826
5088701 5088703 5089312 5089429 5090555 5090643 5091805 5092058 5094112 5094138 5094505
5097131 5097939 5099360 5102082 5103449 5104239 5105410 5105917 5105918 5106044 5107852
5108694 5110117 6175601 6177059 6178366 6179014 6179233 6182630 6183297 6184225 6184713
6184715 6184718 6185342 6185483 6186650 6188839 6188959 6188963 6189072 6189657 6189687
6190277 6190713 6190873 6190987 6191064 6192124 6192223 6192448 6192845 6192907 6192944
6193821 6194024 6194838 6195181 6195632 6195718 6197664 6198632 6199000 6199899 6200343
6200960 6201185 6201302 6201464 6201644 6201884 6201952 6202061 6203504 6205320 6205321
6205414 6205494 6206764 6207138 6207322 6209613 6210721 6211220 6212165 6214159 6214166
6214369 6214784 6215407 6216277 6219639 6220829 6221563 6222071 6222449 6224433 6224438
6225348 6233287 6219668

■ 118669-15 – JavaSE 5.0_x86: update 14 patch (equivalent to JDK 5.0u14), 64bit

4743558 5053708 5088563 6206527 6219364 6236727 6265713 6314370 6321689 6354969 6358629
6373274 6418433 6431847 6447412 6454676 6457444 6464451 6465756 6467921 6469580 6476329
6480378 6483402 6484661 6490921 6494472 6494722 6502051 6502568 6503510 6512054 6515362
6518816 6519085 6520101 6520665 6522028 6525425 6528763 6530198 6531255 6531591 6531593
6534678 6536120 6538601 6542420 6543815 6543940 6545719 6546278 6547501 6553303 6554586
6555628 6556044 6557713 6558100 6560218 6562716 6565138 6570062 6570259 6571205 6572147
6576321 6577717 6578895 6579208 6579743 6585239 6586045 6587875 6593729 6594813 6599750
6601686 6611886 6609269 6585736 6595137 5036554 6190373 6191896 6206442 6300533 6316313
6317248 6331483 6358747 6381526 6394747 6395346 6398636 6401956 6405138 6405147 6406822
6415321 6418004 6419112 6433689 6448717 6448787 6449486 6449933 6456276 6457066 6463096
6464051 6464154 6466058 6469606 6469663 6471418 6473331 6480497 6481955 6485605 6486626
6487334 6487916 6489165 6490384 6490560 6493637 6493989 6495123 6495720 6496144 6497526
6504460 6515688 4052517 4225362 4494727 4753347 4879507 5036146 6216340 6297094 6311411
6321453 6347873 6353972 6370080 6379214 6386647 6395737 6396844 6401137 6404972 6405311
6414459 6415062 6416988 6418035 6424564 6428590 6432397 6432667 6434840 6446855 6450945
6451451 6454444 6459676 6460501 6461827 6467152 6468516 6470111 6471004 6472335 6472714
6473485 6475032 6475157 6480566 6481177 6484462 6485516 6486607 6487381 6487931 6488119
6491364 6491714 6492173 6495567 6496224 6496958 6497154 6498661 6500174 6500302 6500903
6501186 6502189 6502317 6502780 6511568 6518092 6519527 6520670 6523518 6523707 6524112
6525690 6526421 6530336 6539661 6541843 6542335 6542419 6557659 4744057 4818488 4855795
5008498 5076772 5082374 6186524 6189161 6220825 6231529 6264013 6267625 6291992 6293795
6304817 6306218 6306625 6307570 6315235 6318302 6323299 6323688 6328467 6330315 6332120
6333613 6339493 6350066 6354718 6358532 6359106 6359434 6369448 6369510 6374321 6374419
6382144 6382788 6386537 6388456 6395581 6396586 6396591 6396594 6399321 6401952 6404388
6405538 6406801 6406821 6407414 6409194 6409286 6411322 6412288 6417341 6417395 6419145
6420226 6420685 6421297 6423370 6424631 6425120 6425203 6427025 6432517 6433293 6433335
6434117 6434214 6437047 6438259 6438812 6439651 6440479 6440724 6440819 6440823 6440854
6441368 6445579 6447404 6448190 6449565 6451717 6453743 6459113 6459739 6460113 6460627
6462407 6463501 6464934 6465377 6466876 6468053 6471081 6475580 6477533 6479208 6480532
6490436 6497264 6504322 6349010 6406864 6418117 6458152 6465104 6469222 6469263 6475078
6475088 6475094 6476703 4368790 4626557 4653090 4699981 4778281 4842599 4916620 4977599
4994629 4994705 5002251 5030922 5038724 5062728 5070991 5074577 5075953 5085647 5091224
5092263 5097531 5098176 5100422 5105922 5106661 6173560 6176051 6181157 6193212 6195047
6213540 6220110 6226610 6227961 6228529 6229114 6231517 6253746 6259542 6263446 6265533
6266735 6272221 6282072 6298694 6300358 6305029 6311320 6318850 6319603 6322825 6322847

6323123	6325535	6328000	6329104	6332641	6333959	6334849	6334864	6337226	6337517	6338271
6338278	6338283	6338927	6339426	6340201	6341374	6341416	6341455	6342546	6343810	6343853
6345619	6348207	6350086	6351299	6351698	6352819	6355666	6357512	6359295	6359696	6360305
6360541	6362090	6362557	6363434	6364346	6364384	6364882	6365597	6366351	6366811	6366931
6367357	6370565	6370773	6370914	6372428	6373059	6377036	6377387	6378786	6378830	6378990
6379439	6379808	6380091	6381513	6381718	6381777	6385277	6385286	6385692	6385867	6387267
6388659	6390179	6390837	6390845	6390869	6390952	6391040	6391482	6391723	6391729	6392388
6392735	6393258	6394084	6394318	6395069	6395113	6395139	6395611	6396979	6397754	6399303
6400584	6400685	6401166	6401245	6402180	6404516	6404731	6405128	6405639	6407057	6407335
6407775	6407901	6408734	6412391	6413000	6413033	6413153	6416184	6419232	6419424	6420739
6423264	6423402	6427930	6428527	6428561	6428834	6433216	6436385	6436676	6437225	6438311
6443883	6446250	6449884	6454498	4486732	4726957	4836493	4924220	5013564	5018075	5023697
5056438	5056445	5062649	5075580	5076692	5083253	5086831	5089488	5093520	5093560	5098002
5098318	5102695	5103041	6178071	6186200	6186840	6189833	6193075	6201467	6206933	6209956
6214400	6214916	6215050	6223076	6225432	6229618	6232010	6234795	6242673	6245283	6245770
6257619	6261423	6261681	6263644	6265809	6267224	6271513	6274990	6275407	6279133	6280181
6280629	6285124	6295519	6295591	6296324	6300270	6305025	6306741	6309761	6309875	6310716
6312510	6313320	6313541	6314144	6314759	6317336	6318047	6319671	6319688	6320740	6322176
6322757	6324827	6325354	6326015	6326020	6326417	6326935	6327342	6328462	6329105	6330699
6330892	6332148	6332962	6333676	6335114	6336111	6336600	6337338	6338472	6339806	6339951
6341549	6342404	6342457	6342951	6343401	6344778	6345314	6346265	6346688	6346871	6347370
6347516	6348224	6350061	6350901	6350975	6351064	6351343	6351682	6353684	6353783	6354368
6354728	6355295	6355363	6355402	6356458	6356527	6356753	6359084	6360774	6362628	6363528
6363904	6363986	6366491	6366599	6367204	6367496	6371069	6371531	6372116	6376865	6376884
6379615	6381630	6384849	6385825	6385940	6386556	6386588	6387271	6388917	6389026	6389503
6390605	6390821	6391650	6415362	6418103	6420264	6426318	6428554	6429118	6429143	4263904
4976239	4986256	5043245	5047307	5053844	5062222	5068014	5073778	5083062	5092063	5101898
5104215	6173783	6174229	6177732	6182812	6195469	6197534	6197726	6204620	6206166	6206441
6208022	6215625	6231602	6232820	6232954	6233622	6237688	6239400	6240876	6241823	6248507
6251458	6253848	6254441	6256473	6257260	6258466	6260834	6262235	6262572	6263272	6264252
6267930	6269555	6271298	6281384	6282084	6282891	6283270	6283361	6285301	6286011	6286189
6287191	6287601	6291034	6294558	6295680	6296125	6296410	6298940	6301771	6302769	6302904
6304225	6304650	6305546	6305653	6307455	6310737	6310858	6311255	6313317	6315358	6317122
6317178	6317278	6322521	6322568	6325315	6325748	5060628	6201802	6259137	6305157	6311051
6322301	6325504	6329042	6331269	6332350	6337834	6338436	6338891	6340079	6340202	6342738
6343024	6287164	6343111	6344735	6346725	6347132	6348045	4521075	4855860	4868278	4896773
5039416	5045217	5070081	5077603	5086160	5086424	5089317	5109224	6180936	6183734	6186280
6190413	6192376	6207824	6209695	6212440	6214543	6217210	6223265	6224811	6226827	6229389
6231029	6232485	6233005	6235633	6240755	6245809	6250214	6250749	6251460	6255285	6255949
6257124	6257182	6258006	6259991	6263814	6264872	6268365	6269854	6272715	6274390	6278597
6279126	6283161	6286864	6296218	6306172	4207472	4305459	4881314	4964339	4975824	5003235
5044738	5053272	5055567	5067517	5074396	5076514	5077866	5078280	5079751	5083441	5087208
5088035	5092850	5095117	5097015	5097241	5101391	5102490	5109602	6174596	6176318	6176814
6178395	6186747	6191542	6192422	6194668	6195301	6196089	6198522	6200138	6203233	6203483
6204669	6205422	6210088	6211480	6213128	6214132	6218454	6218682	6218987	6220064	6222034
6223691	6224591	6225440	6225605	6226269	6227033	6227583	6228585	6231186	6231936	6232039
6232513	6232607	6233169	6234804	6237349	6237552	6237654	6240586	6241743	6243108	6243400
6244063	6250286	6250517	6252770	6254466	6255782	6256476	6256477	6256728	6258508	6258681

6259113 6261269 6261304 6261558 6261980 6263857 6268145 6268876 6273094 6273975 6277246
6277266 6277315 6277659 6278491 4548788 4656461 4897333 4924758 4949631 4984794 4994329
5017051 5023873 5024379 5056403 5075526 5075546 5080386 5082319 5089985 5092094 5100483
5101128 5104960 5105765 6173972 6180194 6181598 6181784 6182685 6189106 6189594 6195099
6206216 6206839 6207079 6207830 6208366 6208545 6208676 6208712 6208965 6209095 6209342
6209737 6210227 6213461 6213473 6215109 6215480 6215746 6218309 6219491 6219495 6221549
6222350 6224405 6226589 6227551 6227874 6228205 6229377 6229965 6231054 6231145 6231216
6232417 6232636 6233573 6234174 6234219 6234909 6237671 6238128 6247771 6250165 6250473
6261499 6261509 6261510 4388541 4684153 4845692 4911491 4915324 4974531 4980122 4987923
5003402 5023243 5037521 5038903 5051880 5054010 5058132 5058463 5062118 5064088 5070730
5073407 5074530 5074836 5079429 5079729 5079742 5084004 5084812 5086089 5087395 5087826
5088701 5088703 5089312 5089429 5090555 5090643 5091805 5092058 5094112 5094138 5094505
5097131 5097939 5099360 5102082 5103449 5104239 5105410 5105917 5105918 5106044 5107852
5108694 5110117 6175601 6177059 6178366 6179014 6179233 6182630 6183297 6184225 6184713
6184715 6184718 6185342 6185483 6186650 6188839 6188959 6188963 6189072 6189657 6189687
6190277 6190713 6190873 6190987 6191064 6192124 6192223 6192448 6192845 6192907 6192944
6193821 6194024 6194838 6195181 6195632 6195718 6197664 6198632 6199000 6199899 6200343
6200960 6201185 6201302 6201464 6201644 6201884 6201952 6202061 6203504 6205320 6205321
6205414 6205494 6206764 6207138 6207322 6209613 6210721 6211220 6212165 6214159 6214166
6214369 6214784 6215407 6216277 6219639 6220829 6221563 6222071 6222449 6224433 6224438
6225348 6233287 6219668

- **118677-03 – SunOS 5.10_x86: patch for Solaris make and sccs utilities**

6208430 5037057 6470071

- **118736-01 – SunOS 5.10_x86: usr/sbin/rpc.nisd_resolv Patch**

6220055

- **118778-11 – SunOS 5.10_x86: Sun GigaSwift Ethernet 1.0 driver patch**

4722784 4763926 4770635 6214285 6216131 6218302 6223263 6227233 6236474 6238254 6251174
6255365 6255394 6261657 6266901 6266985 6273441 6277650 6279238 6280692 6304571 6310502
6313896 6342672 6342675 6345632 6356079 6358618 6358633 6385683 6388242 6390978 6401602
6428623 6434341 6451235 6493290 6501309 6460221 6515306 6538624 6550184 6552011 6606507
6281341

- **118825-01 – SunOS 5.10_x86: sort patch**

6178339

- **121264-01 – SunOS 5.10_x86: cadp160 driver patch**

6254081

- **122035-05 – SunOS 5.10_x86: awk nawk Patch**

5004023 5040318 5090114 6320514 6337300 6368966 6446725

- **123840-04 – SunOS 5.10_x86: Fault Manager Patch**

6381172 6393267 6394554 6399963 6403267 6410884 6411941 6414703 6414871 6414938 6448732
6465541 6468001 6471117 6471600 6481562

■ **119043-10 – SunOS 5.10_x86: svccfg & svcprop patch**

6197520 6217410 6221374 6222202 6231947 6251841 6265652 6287888 6296112 6299709 6351779
6355665 6367481 6397719 6461381

■ **118855-36 – SunOS 5.10_x86: kernel patch**

1156383 1236941 4034947 4063945 4108775 4256818 4294701 4316952 4352289 4387797 4419428
4471706 4500618 4511681 4521202 4621371 4634519 4636944 4638717 4644326 4659930 4670406
4691277 4699148 4727117 4739176 4763363 4782952 4796051 4799697 4845958 4852369 4855218
4872386 4873353 4875624 4880976 4886293 4892666 4898397 4905227 4908967 4913292 4915681
4921433 4921452 4927518 4928000 4931229 4932869 4938301 4939546 4947776 4951608 4954703
4957830 4967732 4972826 4995852 4997994 5004247 5004374 5004701 5005976 5007714 5007726
5010267 5013200 5016956 5016975 5016998 5017041 5018506 5019542 5023079 5023670 5024476
5034470 5034916 5039369 5039974 5041567 5042195 5042855 5042924 5044015 5045382 5046450
5047630 5052723 5058075 5061331 5062435 5065608 5067964 5068886 5071610 5073739 5076357
5076562 5076976 5079311 5080443 5080821 5082975 5083131 5083133 5083170 5084073 5084264
5084421 5085394 5085739 5085886 5089813 5090022 5090037 5090773 5096257 5096624 5096886
5096891 5099806 5099855 5102743 5102894 5105010 5105717 5106644 5106725 5106865 5108471
5110153 6174349 6175313 6175438 6178604 6178746 6179167 6180557 6181364 6182677 6183842
6183891 6184323 6185781 6186472 6189856 6190561 6191192 6192523 6192801 6194015 6194576
6195108 6195171 6196844 6196850 6196861 6197460 6198351 6198523 6198614 6198766 6198890
6198953 6199406 6199444 6200071 6200896 6201076 6201142 6201425 6201431 6202015 6202573
6203046 6203341 6203470 6203517 6203547 6203602 6203680 6204443 6204546 6205014 6207682
6207840 6207842 6208058 6208532 6208709 6208798 6209091 6209350 6209502 6210668 6210697
6210716 6210936 6211068 6211936 6212248 6212406 6212418 6212675 6212756 6212797 6212810
6213084 6213101 6213184 6213273 6213398 6213418 6213463 6213486 6213551 6213631 6213868
6214108 6214472 6214604 6214620 6214687 6214698 6214721 6214834 6214946 6215000 6215065
6215218 6215261 6215444 6215546 6216056 6216134 6216135 6216286 6216470 6216650 6217001
6217046 6217370 6217624 6217870 6218082 6218194 6218329 6219101 6219132 6219142 6219178
6219276 6219298 6219317 6219389 6219538 6219651 6219672 6219812 6219928 6220069 6220169
6220217 6220234 6220441 6220619 6221022 6221058 6221079 6221094 6221306 6221581 6221584
6221845 6222174 6222525 6222529 6222535 6222966 6223059 6223178 6223331 6223375 6223563
6223569 6223572 6223580 6223583 6223915 6224061 6224221 6224685 6224745 6224788 6224901
6224934 6225262 6225780 6225908 6226206 6226217 6226326 6226332 6226421 6226426 6226441
6226445 6226484 6226756 6226862 6226920 6226968 6227074 6227237 6227282 6227387 6227744
6227872 6227893 6227895 6228017 6228203 6228472 6228498 6228610 6228709 6228871 6228874
6229034 6229087 6229583 6229753 6229754 6230033 6230117 6230133 6230146 6230156 6230381
6230528 6230552 6230700 6230925 6230951 6231203 6231205 6231263 6231288 6231461 6232253
6232301 6232309 6232332 6232414 6232422 6232586 6232852 6232859 6232908 6233064 6233073
6233184 6233388 6233624 6233919 6234108 6234157 6234227 6234363 6234486 6234506 6234594
6234710 6234904 6235000 6235003 6235318 6235370 6236000 6236038 6236072 6236182 6236253
6236382 6236513 6236514 6236521 6236552 6236594 6236942 6236985 6237078 6237149 6237196
6237197 6237355 6237357 6237359 6237411 6237585 6237666 6237669 6237779 6237793 6237801
6237823 6238276 6238277 6238486 6238679 6238686 6239254 6239279 6239573 6239625 6239671
6239708 6239895 6239984 6240160 6240342 6240363 6240367 6240490 6240663 6240956 6241299

6241739	6241995	6242365	6242612	6243341	6243434	6243444	6243456	6243604	6243675	6243697
6244042	6244328	6244431	6244819	6244897	6244980	6245008	6245233	6245378	6245467	6245760
6245953	6246111	6246138	6246787	6246875	6247143	6247310	6247821	6247936	6248250	6248527
6248555	6248828	6249135	6249138	6249409	6249458	6249580	6249703	6249707	6250131	6250211
6250256	6250345	6250374	6250493	6250898	6251504	6251636	6251722	6251754	6251798	6251862
6252155	6252197	6252395	6252550	6252555	6252787	6252809	6252856	6253388	6253496	6253561
6253744	6254364	6254431	6254433	6254835	6254876	6255078	6255593	6255609	6255670	6255855
6255872	6256056	6256157	6256212	6256272	6256312	6256372	6256393	6256554	6256813	6256824
6257150	6257177	6257280	6257683	6257723	6257772	6257917	6258024	6258318	6258834	6259168
6259227	6259552	6259653	6259731	6260039	6260210	6260355	6260361	6260526	6260557	6260567
6260568	6260673	6260679	6260780	6260923	6261032	6261173	6261284	6261642	6261643	6261685
6261696	6261803	6261853	6261946	6261990	6262249	6262297	6262302	6262304	6262347	6262353
6262563	6262573	6262789	6262957	6262959	6263065	6263070	6263194	6263338	6264169	6264225
6264487	6264601	6264845	6264903	6264966	6265027	6265068	6265183	6265425	6265542	6265569
6265652	6266140	6266261	6266836	6266851	6266921	6267117	6267352	6267684	6267718	6267731
6267741	6267828	6268152	6268229	6268387	6268417	6268693	6268697	6268846	6268943	6269064
6269246	6269285	6269525	6270225	6270398	6270452	6270710	6270748	6271033	6271075	6271314
6271323	6271324	6271626	6271650	6271814	6271950	6272461	6272550	6272563	6272568	6272588
6272599	6272602	6272652	6272865	6272867	6273316	6273373	6273374	6273456	6273474	6273730
6273779	6273855	6273864	6273875	6274712	6274840	6274882	6274894	6274899	6274924	6274965
6274969	6275398	6275431	6275585	6275597	6276036	6276905	6276916	6277084	6277362	6277961
6278650	6279001	6279317	6279871	6280143	6280180	6280390	6280459	6280467	6281100	6281113
6281147	6281150	6281281	6281300	6281836	6281885	6282049	6282340	6282389	6282392	6282776
6282867	6282875	6282991	6283314	6283493	6283577	6283601	6283655	6284239	6284254	6284455
6284864	6284941	6284968	6285735	6286414	6286434	6286536	6286625	6286705	6287250	6287398
6287422	6288090	6288308	6288337	6288488	6288756	6288873	6289134	6289318	6289440	6289503
6290157	6290383	6290542	6290652	6290673	6290788	6290877	6290936	6291263	6291309	6291547
6291720	6291876	6292032	6292054	6292076	6292433	6292943	6293265	6293271	6293332	6293434
6294490	6294681	6294902	6295417	6295539	6295971	6296379	6296526	6296681	6296934	6297186
6297318	6297503	6297523	6297856	6298484	6298543	6298780	6298972	6298974	6298981	6299049
6299476	6299525	6299894	6300267	6300960	6301084	6301112	6301218	6301274	6301766	6301815
6301944	6302167	6302747	6302789	6303398	6303593	6303662	6303761	6303973	6304200	6304238
6304378	6304657	6304858	6304890	6304902	6304904	6305207	6305386	6305465	6305935	6306072
6306150	6306529	6306717	6306768	6306925	6307652	6307994	6308117	6308155	6308413	6308874
6309061	6309309	6309430	6309515	6309525	6309829	6310343	6310438	6310736	6311025	6311460
6311865	6312354	6312508	6313214	6313308	6313609	6313638	6313668	6313670	6313929	6314073
6314115	6314243	6314245	6314455	6314504	6314627	6314743	6314894	6315002	6315610	6315921
6316452	6316463	6316748	6316876	6316907	6317412	6318183	6318306	6318401	6318423	6318725
6319113	6320011	6320763	6320871	6321149	6321372	6321383	6321591	6321607	6322005	6322028
6322165	6322205	6322231	6322672	6322770	6322966	6323272	6323319	6323322	6323393	6323554
6323732	6323886	6324019	6324138	6324589	6324793	6325175	6325213	6325408	6325893	6326006
6326077	6326078	6326187	6326272	6326490	6326499	6326502	6326505	6326531	6326533	6326547
6326564	6326583	6326737	6326764	6326937	6326981	6327336	6327693	6327929	6327969	6328144
6328230	6328286	6328296	6328317	6328449	6328958	6329568	6329696	6329796	6330278	6330408
6330766	6330819	6330830	6331032	6331060	6331093	6331154	6331370	6331878	6331880	6331883
6331916	6332057	6332245	6332260	6332352	6332630	6332638	6332693	6332821	6332874	6332942
6332948	6332983	6332990	6333184	6333195	6333242	6333461	6333506	6333617	6333763	6333880
6333936	6334510	6334799	6334921	6335370	6335392	6335442	6335522	6335549	6335611	6336163

6336322 6336380 6336467 6336945 6337073 6337123 6337131 6337136 6337341 6337437 6337450
6337636 6337987 6338023 6338046 6338081 6338131 6338289 6338316 6338386 6338401 6338634
6338653 6338767 6339177 6339319 6339376 6339377 6339683 6339731 6339766 6339777 6339808
6339812 6339847 6339926 6339928 6339942 6340699 6340735 6340766 6340778 6340900 6341003
6341178 6341189 6341429 6341629 6341664 6342066 6342194 6342630 6342813 6342823 6342824
6342966 6342977 6343017 6343199 6343344 6343446 6343599 6343774 6344186 6344261 6344290
6344317 6344977 6345359 6345556 6345690 6345897 6346183 6346204 6346270 6346377 6346409
6346500 6346582 6346617 6346769 6346926 6347105 6347109 6347166 6347453 6347629 6348147
6348244 6348316 6348407 6348581 6348751 6349142 6349232 6349247 6349315 6349487 6349839
6349845 6349900 6349926 6350098 6350255 6350389 6350407 6350416 6350499 6350501 6350587
6350643 6350831 6350869 6350910 6351165 6351378 6351451 6351973 6352071 6352085 6352347
6352490 6352670 6352865 6353217 6353359 6354060 6354381 6354408 6354441 6354461 6354597
6354619 6354621 6354842 6354997 6355260 6355609 6355614 6355634 6355638 6355679 6355683
6355938 6355953 6356155 6356477 6356620 6356712 6356925 6356965 6357424 6357654 6357764
6357796 6358025 6358194 6358236 6358242 6358277 6358541 6358821 6359179 6359264 6359299
6359363 6359850 6359914 6360218 6360419 6360864 6361052 6361071 6361204 6361231 6361360
6361514 6361577 6361644 6362056 6362304 6362390 6362558 6362641 6362711 6362734 6362850
6362855 6363028 6363031 6363034 6363503 6363544 6363618 6364052 6364339 6364350 6365335
6365742 6365743 6365800 6366207 6366260 6366301 6366432 6366442 6366758 6366821 6366825
6366883 6366886 6367031 6367044 6367046 6367047 6367049 6367051 6367053 6367057 6367061
6367063 6367067 6367068 6367069 6367070 6367073 6367075 6367222 6367316 6367349 6367490
6367520 6367660 6367677 6367872 6367985 6368142 6368526 6368555 6368593 6368690 6368753
6369537 6369612 6369698 6369794 6369912 6369961 6370127 6370284 6370798 6370802 6370860
6370911 6371490 6371650 6371677 6371753 6371855 6372009 6372151 6372239 6372436 6372454
6373071 6373268 6373475 6373609 6373967 6373978 6374002 6374049 6374127 6374407 6375097
6375189 6376283 6376626 6376632 6376967 6376992 6377034 6377085 6377319 6377502 6377507
6377640 6377680 6377722 6377868 6378067 6378297 6378316 6378652 6378676 6378797 6378869
6378950 6379385 6379498 6379909 6379990 6380446 6380514 6380739 6380908 6381022 6381275
6381337 6381344 6381715 6381739 6382016 6382379 6382587 6383013 6383188 6383623 6383670
6383879 6384266 6384315 6384404 6384565 6384568 6384727 6385004 6385007 6385197 6385420
6385436 6385479 6385516 6385529 6386744 6386938 6386970 6387471 6387609 6387618 6388050
6388096 6388273 6388358 6388780 6388856 6388986 6389163 6389227 6389264 6389326 6389545
6389621 6389646 6389650 6390114 6390119 6390175 6390181 6390185 6390192 6390205 6390211
6390232 6390296 6390546 6390617 6390709 6391117 6391121 6391774 6391870 6391893 6391960
6392166 6392223 6392368 6392401 6392467 6392806 6393356 6393362 6393434 6393490 6394140
6394219 6394321 6394404 6394554 6394636 6394707 6395385 6395535 6395576 6395977 6396086
6396390 6396488 6396507 6396511 6397148 6397163 6397251 6397267 6397275 6397308 6397614
6397617 6397618 6397649 6397714 6397762 6397830 6397847 6397876 6397933 6398012 6398052
6398161 6398564 6398779 6398846 6398887 6399084 6399242 6399287 6399701 6399875 6399918
6399920 6399930 6399963 6400662 6400664 6400675 6400907 6401218 6401243 6401400 6401446
6401591 6401605 6401629 6401659 6401687 6401845 6401903 6402129 6402576 6402763 6402958
6403183 6403267 6404051 6404079 6404290 6404291 6404383 6404563 6404654 6404710 6404729
6404877 6404894 6404990 6405136 6405176 6405273 6405330 6405335 6405388 6405400 6405662
6405777 6405807 6405966 6406097 6406224 6406417 6406491 6406561 6406622 6406650 6406654
6407044 6407314 6407328 6407374 6407402 6407635 6407920 6408517 6408933 6409114 6409228
6409302 6409751 6410508 6410640 6410698 6410781 6411339 6411400 6411980 6412153 6412375
6412380 6412384 6412386 6412390 6412398 6412471 6412527 6412848 6413100 6413181 6413256
6413268 6413767 6413809 6413878 6414036 6414308 6414741 6414797 6415019 6415300 6415366

6415416 6415517 6415521 6415528 6415535 6415576 6415739 6416482 6416708 6416759 6416794
6417129 6417261 6417552 6417900 6417933 6417978 6418270 6418368 6418634 6419029 6419167
6419332 6419771 6420136 6420204 6420234 6420643 6420709 6420741 6420987 6421200 6421515
6421970 6422055 6422398 6422560 6422754 6423041 6423586 6423595 6423975 6424093 6424180
6424201 6424255 6424343 6424460 6424554 6424872 6424926 6424940 6425086 6425111 6425322
6425438 6425740 6425828 6425832 6425990 6426013 6426194 6426477 6426595 6426755 6426757
6426760 6427081 6427092 6427119 6427271 6427309 6427503 6427755 6428035 6428769 6428839
6428843 6428883 6429440 6429516 6429984 6430121 6430143 6430233 6430603 6430731 6430831
6431140 6431317 6431503 6431599 6432964 6432967 6433208 6433236 6433264 6433296 6433331
6433406 6433408 6433603 6433679 6433680 6433717 6434128 6434208 6435103 6435441 6435689
6435779 6435911 6436387 6436499 6436502 6436514 6436524 6436526 6436800 6438388 6438600
6438924 6438926 6439022 6439102 6439370 6439589 6439953 6440499 6440717 6440749 6441160
6441262 6441386 6441823 6442526 6443017 6443255 6443286 6443585 6443659 6443669 6443912
6444346 6444832 6445239 6445246 6446530 6446569 6447038 6447377 6447394 6447452 6447717
6447875 6448124 6448371 6448732 6448869 6448999 6449033 6449046 6449078 6449595 6449819
6450052 6450133 6450292 6450411 6450585 6450683 6451124 6451133 6451412 6451513 6451557
6452084 6452582 6452642 6452685 6452787 6452797 6453203 6453375 6453659 6453820 6454481
6454690 6455264 6455303 6455399 6457407 6457645 6458103 6458137 6458440 6458668 6458781
6460200 6460204 6460310 6460403 6460433 6462287 6462455 6462708 6462893 6463756 6464311
6464426 6464716 6464965 6465453 6465639 6466286 6466368 6466962 6467573 6467860 6468543
6469461 6470233 6471117 6471451 6471600 6473150 6474678 6475263 6476370 6476376 6477870
6479545 6481557 6483435 6483507 6483967 6484006 6486137 6486353 6489851 6490947 6493753
6493850 6494031 6494303 6495684 6499758 6501537 6503144 6503153 6500872

- **118885-01 – SunOS 5.10_x86: atomic.h patch**

4954703

- **118919-21 – SunOS 5.10_x86: Solaris Crypto Framework patch**

4691624 4721729 4920408 4926742 5039273 5059459 5059461 5067502 5072858 5100567 6181926
6192431 6195428 6195934 6197268 6197284 6198116 6199119 6200215 6204887 6211857 6215509
6215816 6216772 6217866 6220814 6222467 6223863 6223866 6223869 6228384 6231739 6231978
6250168 6250963 6252894 6253484 6262344 6264344 6264379 6271754 6274680 6276483 6276609
6278459 6280574 6286372 6287425 6288840 6296920 6314217 6331488 6332420 6332630 6336131
6338653 6342066 6342468 6345493 6347073 6352877 6355571 6355597 6357426 6359179 6360218
6363872 6368332 6372169 6372587 6376993 6399680 6401115 6405871 6408419 6439285 6474874
6480958 6484163

- **118960-03 – SunOS 5.10_x86: patch usr/bin/acctcom and usr/bin/lastcomm**

5040580 6200474 6227221 6329114

- **119060-39 – X11 6.6.2_x86: Xsun patch**

4751462 4915967 5016163 6191917 6212502 6216985 6217588 6219170 6219932 6219947 6224159
6226717 6226733 6227843 6228875 6247062 6248417 6248445 6248453 6255133 6265045 6265414
6265634 6269938 6270914 6276115 6277903 6278131 6279680 6280222 6297797 6310310 6311410
6314490 6316436 6319348 6326551 6334067 6338085 6340191 6346811 6347707 6353678 6361567
6366490 6370100 6370739 6373433 6376462 6377194 6377837 6378024 6378204 6383556 6387317

6395871 6397502 6426793 6450316 6453362 6458115 6465805 6502073 6482736 6245381 6506010
6488392 6487187 6501702 6477636 6525814 6489660 6534483 6526191 6538280 6538290 6535201
6542279 6496385 6457530 6473929 6552230 6513118 6572562 6551484 6497669 6535782 6566519
6597583 6601751 6601756 6618748 6523766 6465564 6351300 6380709 6589829 6572087 6507236
6543140 6570556 6550829 6627775 6631254 6635726 6640506 6635720 6635730 6635738 6642763
6547713 6278039 6660113

■ **119064-01 – SunOS 5.10_x86: libXpm patch**

6231515 6241936

■ **119066-01 – SunOS 5.10_x86: fc-cache patch**

6205323

■ **119082-25 – SunOS 5.10_x86: CD-ROM Install Boot Image Patch**

4393815 4649122 4692667 4713660 4716085 4719125 4789211 4947796 5009917 5047412 5064512
6178185 6198783 6215847 6215918 6218158 6221702 6222925 6242499 6252385 6252388 6254694
6288726 6290082 6297948 6301206 6313099 6314149 6319439 6320965 6323208 6323294 6323511
6324105 6329642 6331510 6332093 6332722 6336267 6340350 6340354 6341482 6342039 6343072
6344771 6345658 6347051 6349235 6350819 6351213 6354062 6355905 6356711 6364583 6367162
6369598 6372101 6372197 6373211 6374024 6376794 6377131 6390503 6395264 6406788 6407201
6413159 6422730 6425215 6425221 6426207 6431490 6432478 6436821

■ **119091-26 – SunOS 5.10_x86: Sun iSCSI Device Driver and Utilities**

5094124 5094370 6173739 6173912 6186291 6204742 6206029 6206568 6207172 6207973 6208490
6211472 6211499 6211560 6211924 6212031 6212320 6213484 6213487 6213490 6213516 6214405
6214546 6215262 6216983 6218751 6219608 6220407 6220773 6221284 6221432 6221842 6221880
6222630 6224359 6224866 6226740 6226933 6228489 6230319 6231086 6231706 6233206 6233384
6235292 6236260 6236271 6236375 6239078 6239185 6239207 6240818 6240849 6240911 6241611
6242847 6244250 6244358 6245161 6247445 6249424 6249509 6250036 6251575 6254172 6254222
6255629 6257030 6258672 6259522 6259737 6261483 6261560 6261627 6261669 6262279 6262413
6263279 6263322 6263646 6267539 6267543 6268840 6268934 6271727 6274744 6275410 6276026
6278190 6280621 6282455 6282646 6282686 6284875 6285462 6287318 6288103 6290500 6292453
6293219 6296381 6296407 6296971 6297371 6297390 6298546 6299456 6300099 6300259 6303184
6304963 6306146 6311820 6314187 6314196 6326608 6338487 6340791 6341375 6343904 6344551
6348170 6354973 6357322 6358044 6361661 6361861 6368406 6368415 6370257 6371828 6374756
6375178 6375740 6376509 6377013 6377485 6377558 6378143 6378566 6379890 6380321 6380424
6381723 6382994 6383602 6383806 6388390 6390196 6390387 6391839 6394294 6396274 6396333
6398514 6412468 6416687 6418591 6423706 6449666 6468489 6476060 6476717 6513418 6564414
6568295 6601828

■ **119116-33 – Mozilla 1.7_x86 patch**

6177442 6221725 6211632 6192644 6200999 6200994 5077554 6200990 6202289 6224482 6225441
6228782 6216830 6224900 6234566 6245856 6247811 6247837 6247838 6247849 6248466 6248468
6248516 6248547 6248557 6248594 6248613 6249777 6249778 6255667 6248548 6249776 6259266
6259860 6259866 6259873 6259902 6260571 6260573 6269887 6261013 6281357 6271958 5015369
6251128 6267169 6281360 6282170 6282190 6284465 6287117 6258444 6297209 6297215 6297218

6297219 6297231 6191277 6200696 6200705 6282893 6297174 6297242 6317624 6318009 6334587
6334619 6339970 6249857 6254398 6352958 6360106 6369969 6384953 6412730 6415128 6415131
6415133 6415135 6415138 6415142 6415143 6424493 6424545 6424548 6424551 6424560 6424563
6424567 6424568 6424573 6424574 6424577 6424579 6391562 6461074 6415123 6447020 6447021
6458750 6458753 6458754 6499438 6488248 6447022 6508400 6508398 6458752 6508395 6514036
6447023 6508397 6458755 6499437 6565136 6564240

▪ **119118-42 – Evolution 1.4.6_x86 patch**

6204976 6201742 6218068 6182553 6206223 6216041 6231010 6222258 6251188 6262120 6272983
6249871 6259214 6253417 6279337 6297294 6299994 6303111 6182358 6198500 6206245 6221676
6300019 5099374 5106735 6306915 6226019 6312129 6321792 6323770 6335859 6306791 6305171
6210993 6221680 6211080 6301782 6330472 6330479 4992018 6335855 6346038 6349674 5054558
6350965 6342113 6336425 6367678 6369109 6381422 6380083 6300007 6354689 6375476 6376155
6389050 6369082 6374285 6367965 6336385 6327483 6330477 6414603 6307047 6430888 6439788
6458897 6445216 6465437 6469628 6391724 6290981 6475882 6432279 6401341 6455354 6469753
6402585 6420534 6513199 6520675 6398627 6527123 6526936 6431169 6531957 6535815 6535771
6402040 6535828 6556379 6577610 6615036 6594260 6522972 6487227

▪ **119131-33 – SunOS 5.10_x86: Sun Fibre Channel Device Drivers**

4368092 4704353 4792071 4961555 4976582 4998402 5077933 5091288 5091773 5094714 6198588
6205269 6207101 6207184 6207845 6210934 6214931 6215726 6216326 6216743 6220173 6221242
6225769 6227340 6227562 6233352 6233800 6235327 6235886 6238787 6250038 6254848 6258722
6260549 6261607 6270092 6276354 6279071 6279108 6283597 6286318 6288500 6288908 6290618
6292280 6292446 6292987 6295169 6296383 6298259 6298288 6300113 6304555 6306254 6311175
6311314 6313089 6316063 6317420 6317985 6319731 6320936 6321523 6323973 6325525 6326293
6326600 6326602 6326608 6328146 6328827 6329995 6330800 6331949 6337290 6341027 6342934
6343904 6344143 6345310 6346519 6349983 6350809 6355378 6356559 6360849 6361031 6366792
6371273 6373288 6374654 6378014 6378371 6379312 6379866 6379955 6380370 6381878 6381991
6385531 6386247 6387150 6388097 6390139 6390636 6390807 6390817 6390862 6391226 6394475
6395930 6399058 6402322 6402861 6410934 6411995 6418616 6420986 6429517 6430552 6439492
6439910 6442233 6450711 6452811 6454469 6459762 6465379 6467850 6468249 6468584 6480827
6484172 6487389 6499451

▪ **119144-02 – SunOS 5.10_x86: patch lib/libinetutil.so.1**

6220609 6265652

▪ **119202-29 – SunOS 5.10_x86: OS Localization message patch**

6232516 6218356 6210085 6209742 6237404 6255735 6278006 6270754 6284429 6305523 6309435
6336898 6375499 6426585 6453980 6459737 6468576 6476637 6481488 6493239 6513057 6513953
4987330 6495344 6339580 6413124 6549999 6555236 6609418 6570250 6659132

▪ **119214-16 – NSS_NSPR_JSS 3.11.8_x86: NSPR 4.6.8 / NSS 3.11.8 / JSS 4.2.5**

6237228 6237231 6243892 6243894 6243895 5045171 6243896 6243900 6243905 6243907 6243909
6243913 6243915 6243916 6243918 6250799 6250801 6250802 6250803 6250807 6250808 6250812
6250814 6250816 6251104 6258052 6258053 6258055 6258056 6258057 6258061 6258062 6258064
6258066 6260111 6260658 6302177 6333604 6326988 6326994 6326998 6327000 6327002 6242112

6327004 6327009 6327013 6253118 6327014 6327018 6210080 6327020 6327021 6315463 6341685
6341687 6264996 6330310 6350173 6359866 6362932 6489266 6377957 6407468 6406845 6374429
6416004 6419586 6419590 6421471 6442985 6442986 6442988 6442990 6442993 6427037 6442994
6442995 6464665 6464668 6464671 6464756 6464673 6464677 6464680 6464767 6465317 6464683
6468441 6464752 6228370 6464757 6468410 6464759 6464762 6464764 6464766 6467643 6468495
6467033 6491238 6488060 6493492 6507762 6507627 6423970 6524565 6524651 6555587 6555589
6547236 6555590 6555588 4926429 6524809 6560823 6605712 6526738 6624319 6549319 6624326
6624328 6624329 6624331 6624334 6624335 6624337 6624338 6624342 6624343 6624344 6624346
6624348 6624350 6624351 6624352 6624354 6624356 6580347 6596161

■ 119247-32 – SunOS 5.10_x86: Manual Page updates for Solaris 10

5064068 6222503 6463580 6557002 6575019 6585834 6586691 6617266 6650274 6657712 6662322
6664033 6664292 6664756 6666774 6666910 6667270 6667469 6667673 6269143 6377578 6441328
6620226 6639590 6657360 6353020 6407838 6407987 6462675 6497300 6508742 6524164 6531626
6532236 6575605 6591812 6608375 6624353 6631570 6648442 6649470 6651291 6651695 6651911
6651995 6652731 6652893 6653176 6653222 6655369 6655453 6656048 5064064 6558450 6558455
6580215 6609310 6614552 6636661 6640296 6640650 6645981 6646996 6647508 6649245 1250340
4693569 6249909 6314190 6316786 6324707 6344230 6369512 6372772 6378626 6385048 6400692
6402509 6408751 6409371 6415268 6420322 6421256 6427038 6447195 6455691 6455814 6458246
6459971 6468431 6468454 6468981 6470537 6473330 6474412 6479356 6480178 6484742 6510821
6514252 6516186 6519547 6521528 6525416 6530716 6536500 6543733 6546659 6549094 6549378
6557114 6557139 6558843 6561486 6562708 6568012 6568014 6568103 6571030 6571408 6573884
6576053 6576505 6577424 6577557 6577879 6577930 6577942 6578229 6579453 6579456 6581781
6582548 6582947 6584775 6584909 6587210 6587824 6588465 6588565 6590542 6592153 6593233
6595327 6596597 6596957 6597023 6597779 6597780 6597901 6601611 6601627 6601646 6601992
6602925 6604289 6604291 6606214 6608290 6608295 6608384 6608674 6512908 6569447 6569449
6441383 6441469 6442791 6544385 6556062 6565495 6568009 6568668 6568842 6568972 6569265
6569287 6569461 6569800 6571967 6572494 6573100 6574081 4932187 5089292 6424431 6452917
6491763 6492618 6538327 6544176 6557110 6557112 6557731 6558182 6558358 6558681 6559533
6559690 6559994 6560000 6560031 6560094 6561564 6561845 6561918 6562127 6562146 6562338
6562932 6562934 6563782 6564661 6565744 6565885 6567011 6567825 6568313 6268608 6453513
6458491 6475435 6482082 6513975 6522984 6533164 6535992 6540050 6542210 6542816 6543148
6543600 6545132 6548232 6549988 6553040 6553637 6553723 6554074 6554385 6554386 6554678
6555440 6556655 6557048 6557148 6266902 6273127 6338497 6385791 6385971 6391765 6412518
6416817 6416818 6416819 6416820 6425220 6427533 6450655 6452152 6452155 6458191 6487476
6488510 6489948 6495673 6497299 6500495 6500937 6502175 6502404 6509209 6509210 6509211
6516528 6516941 6519017 6524213 6528262 6534254 6542182 6542231 6542939 6543218 6546441
6546542 6546624 6546944 4931322 6241808 6245190 6258487 6266829 6267417 6268843 6272871
6317196 6320929 6338390 6358338 6361814 6365553 6372304 6372826 6377539 6378187 6385114
6385124 6388644 6390018 6399662 6399678 6399709 6401804 6403266 6405492 6406490 6406492
6406495 6407952 6409890 6411356 6412111 6415277 6415986 6435935 6437070 6439807 6442908
6444237 6444624 6445051 6446130 6448584 6450656 6450747 6451287 6452144 6452893 6452894
6454335 6457472 6458397 6463250 6464141 6465609 6466130 6466235 6466280 6466287 6469452
6469454 6472741 6473259 6474652 6474985 6475438 6477234 6477245 6478458 6478824 6478827
6480002 6480385 6480386 6480434 6480469 6481405 6481938 6482205 6482671 6483704 6483803
6484552 6485850 6486500 6488253 6488307 6489928 6491406 6491572 6492113 6492458 6493191
6495676 6495679 6495931 6497199 6497298 6497301 6498406 6500043 6506790 6507155 6507237
6508226 6509208 6509310 6509521 6510047 6510071 6510409 6510677 6510803 6511579 6512137

6513606	6513987	6515153	6515820	6517197	6517522	6517571	6517572	6518353	6518739	6519747
6520229	6520667	6521197	6521341	6521982	6522335	6522386	6525807	6526228	6526286	6528767
6529731	6530458	6531333	6532855	6533129	6534335	6534397	6534444	6534458	6534481	6539624
6540257	6541651	6542568	6450425	6478952	6480976	6482739	6284176	6477044	6477048	5087481
6323754	6360199	6396033	6434153	6434194	6453380	6466844	6471509	6471941	6472034	6343735
6349173	6349176	6368000	6376459	6390015	6393131	6395051	6401024	6405529	6417482	6417484
6422342	6430651	6432304	6432982	6445234	6445848	6447394	6447804	6452787	6453820	6460197
6464875	6465710	6466031	6467496	6468605	6266413	6288724	6326478	6327879	6335080	6352894
6361027	6365341	6366230	6376482	6378067	6382980	6385484	6385494	6385502	6385507	6385509
6385511	6387364	6390465	6391010	6393938	6393943	6393944	6395119	6395131	6395132	6395133
6395134	6396279	6396285	6396904	6396906	6397171	6397884	6398396	6398493	6406100	6406596
6408477	6412645	6414144	6426047	6426471	6427149	6428601	6432963	6437503	6438376	6439003
6442367	6443517	6444550	6445174	6445233	6452661	6452797	6453361	6453375	6453658	6453669
6454284	6457913	6458208	6458687	6459135	6459750	6460323	6460550	6461386	6461574	6462038
6462372	6463744	6465629	6186484	6248837	6262702	6315539	6315541	6340509	6343529	6351530
6353091	6379984	6380387	6380411	6385142	6392184	6400962	6404826	6407957	6410349	6414900
6417201	6417748	6417925	6419172	6419899	6420763	6421512	6422121	6422166	6422168	6423729
6423869	6423891	6427607	6429952	6429978	6431019	6433593	6433601	6438116	6438336	6439605
6439855	6441097	6441367	6442447	6445753	6446000	6446545	6447244	6447870	6447932	6448542
6449218	6450428	6450467	6451041	6451072	4918616	6260536	6361909	6388875	6399169	6400540
6402326	6403818	6410372	6410607	6410629	6413329	5074864	6227556	6241231	6297480	6357814
6367083	6368344	6377211	6390674	6399720	6401869	6405191	5000242	5048768	6248370	6251550
6264241	6265527	6273549	6309942	6309950	6309954	6309959	6309966	6335374	6360471	6369297
6378785	6378792	6378795	6378798	6387596	6389748	6392088	6392094	6394580	6395226	6395794
6396295	6397873	6398254	6398715	6401571	6202570	6213474	6230447	6248553	6278103	6282636
6324208	6336865	6337579	6338117	6339732	6341066	6341867	6342730	6342739	6343592	6344010
6348739	6350275	6358301	6380325	6385850	6386135	6387327	6389147	6389721	6389863	6391131
6394491	6394575	4901741	5010904	5046150	5057188	5079401	6198346	6206711	6222499	6224791
6228270	6237890	6268924	6291156	6296648	6305677	6314222	6326636	6329967	6333670	6338414
6338426	6338428	6338435	6340085	6340800	6340921	6341018	6341603	6341728	6342497	6342919
6345681	6345917	6345921	6346244	6346881	6347426	6348073	6348185	6348236	6349474	6349904
6350722	6350982	6353408	6353413	6353415	6353927	6354469	6355110	6355449	6357973	6358663
6359325	6359338	6359342	6360329	6362109	6366627	6366665	6369177	6370094	6370876	6372481
6372487	6374108	6374650	6375299	6375473	6375593	6376576	6379147	6382231	6382311	6382966
6383180	6384009	6384027	6384095	6237607	6238503	6264591	6291976	6328991	6335997	6337445
6339859	6341814	6341845	6343184	4754411	6211237	6226954	6231497	6232483	6237082	6259813
6290845	6294809	6294811	6294812	6296740	6297786	6301361	6306533	6308447	6309398	6319339
6324864	6328540	6328541	6329060	6330016	6330062	6330188	6330671	6331047	6331055	6331331
6331841	6332029	6332677	6337869	6338057	6339627	6204577	6221309	6241099	6242990	6248877
6255008	6258334	6258339	6286409	6288555	6309363	6313868	6317846	6318461	6320393	6321596
6322368	6322669	6322739	6322863	6323460	6323484	6324148	6324248	6324420	6324858	6325356
5032018	5044715	6213568	6219083	6227560	6227561	6239801	6240066	6266903	6270406	6284937
6291991	6293104	6298241	6300498	6300514	6301501	6302861	6303663	6304180	6305130	6305702
6305923	6306228	6306246	6306391	6306499	6309411	6310305	6312151	6316296	2123343	2123344
2125584	5107445	6176645	6192812	6218160	6219867	6229028	6231508	6236743	6239205	6247514
6248484	6249686	6249689	6249985	6259275	6275178	6280439	6281184	6289748	6289985	6291968
6292324	6293276	6293905	6293994	6295135	6295164	6295455	6295501	6295606	6295883	6295885
6295972	6298238	6299871	6301701	6302598	6175259	6186292	6213557	6219322	6244794	6247949

6256977 6259276 6267730 6268875 6274065 6275116 6275182 6275486 6276860 6277917 6278481
6279864 6279996 6178430 6199201 6215789 6227520 6242411 6242412 6245230 6247046 6248312
6249005 6249691 6259032 6259382 6260165 6261039 6261047 6262466 6263124 6266052 6266054
6266570 6267911 6270039 6270071 6271056 6274141 2123236 5087622 6190827 6196727 6209285
6218778 6222501 6225497 6235402 6241181 6247652 6251475 6252447 6253481 6256136 5090875
6207391 6212233 6217156 6217716 6222749 6227376 6242519 6242876 6243333 6244894 6245209
6245842 6246422 6247757 6250396 6250515 2122825 2122940 5008956 5038387 5043371 5046429
5069521 5095891 5096574 5104556 5108949 6182303 6193595 6194741 6195276 6195547 6198061
6200093 6201988 6202122 6205275 6208084 6209281 6210273 6211790 6211903 6212029 6212232
6212654 6212836 6213475 6213502 6213507 6213536 6214276 6214973 6215139 6215474 6215475
6216789 6216851 6217406 6218320 6218842 6218986 6219657 6219660 6219661 6219671 6220014
6220161 6220729 6220859 6221541 6221589 6221625 6221733 6221891 6222153 6222369 6222447
6222663 6222727 6223264 6223570 6224890 6225126 6225266 6225304 6225337 6225421 6225486
6225503 6225575 6225624 6225693 6229095 6229654 6229957 6230305 6230958 6231259 6231325
6231382 6231455 6231505 6231794 6232091 6233524 6233764 6233884 6233891 6233909 6234453
6235323 6236959 6236965 6237101 6237254 6237389 6237405 6237708 6237832 6237835 6238687
6240599 6240819 6241622 6243286

■ **124629-06 – SunOS 5.10_x86: CD-ROM Install Boot Image Patch**

5110062 6272742 6286190 6351622 6351624 6351627 6352386 6352390 6364154 6419255 6420874
6438773 6439322 6445230 6450040 6459685 6459687 6467841 6472014 6473406 6474474 6476699
6480302 6481557 6517432 6560182 6561505 6642718

■ **119253-25 – SunOS 5.10_x86: System Administration Applications Patch**

4358280 4592896 4649122 4692667 4698357 4760117 4921333 4952774 4964874 5009917 5101364
5110062 6179110 6198291 6211620 6221551 6252385 6252388 6265069 6278350 6298572 6311509
6342179 6343364 6353146 6386531 6404878 6421783 6438773 6439322 6445230 6460674 6493882
6517432 6518670 6520766 6547635 6549254 6556681 6561505 6642718

■ **126539-01 – SunOS 5.10_x86: i.manifest and r.manifest patch**

6209178 6494213

■ **124394-06 – CDE 1.6_x86: Dtlogin smf patch**

6200922 6444304 6389083 6463474 6460522 6506600 6523702 6505800 6619673 6602184

■ **123612-03 – X11 6.6.2_x86: Trusted Extensions patch**

6395871 6435331 6526120

■ **119281-17 – CDE 1.6_x86: Runtime library patch for Solaris 10**

6209386 6255303 4750419 6262671 6241938 6382405 6360671 6401561 6403918 6426804 6416269
6405981 6487366 6464045 6487031 6489613 6548554 6548563 6556434 6628869 6651097 6659590

■ **119279-20 – CDE 1.6_x86: dtlogin patch**

4383440 5046689 6209544 6211096 6234179 6240729 6247943 6263134 6267572 6289158 6300285
6327614 6328101 6332653 6334271 6334517 6340843 6342881 6362895 6386254 6405883 6405981

6409991 6416269 6432396 6445129 6465777 6524040 6537588 6537603 6559173 6550196 6633882
6616853 6462945 6627150 6643058 6647265

- **121735-07 – SunOS 5.10_x86: patch to support addition of new UTF-8 locales**

6303757 6314560 6338821 4937197 6326805 6380372 6400651 6404973 6425697 6447274 6509175
6285387

- **119277-08 – SunOS 5.10_x86: Patch for Northern Europe Region locale issues**

6227384 6276095 6249315 6338196 6347707 6378124 6318932 6375175 6403522 6346087 6280189
6394467 6395212 6316938 6484316

- **119283-01 – CDE1.6_x86: GNOME/CDE Menu for Solaris 10_x86**

6224922

- **119285-01 – CDE 1.6_x86: sdtwsinfo patch**

6215091

- **119287-02 – CDE 1.6_x86: dtterm libDtTerm patch**

6219941 6554559

- **124189-02 – SunOS 5.10_x86: Trusted Solaris Attributes Patch**

6396510 6481568

- **121309-12 – SunOS 5.10_x86: Solaris Management Console Patch**

4760846 5016983 5090761 6179516 6183058 6365746 6365758 6378956 6383511 6389712 6396510
6407617 6434217 6434535 6461461 6479965 6513080

- **119314-20 – SunOS 5.10_x86: WBEM Patch**

4760846 4872697 5006767 5016983 6183058 6212927 6235892 6242775 6252385 6252388 6255908
6265069 6277884 6361917 6378956 6383511 6389712 6396510 6407617 6422915 6422984 6468951
6480462 6500334 6505934 6514347 6524944 6579845 6672970 6678189

- **119316-12 – SunOS 5.10_x86: Solaris Management Applications Patch**

4418366 4770830 5080683 5092418 6192017 6196606 6242775 6327965 6361917 6378956 6383511
6396510 6407617 6413085 6422915 6435553 6471594 6478291 6569127 6636032

- **119318-01 – SunOS 5.10_x86: SVr4 Packaging Commands (usr) Patch**

6202830

- **120461-13 – GNOME 2.6.0_x86: Gnome libs Patch**

6242857 5087948 5088844 6216594 6306889 6301837 6231341 6305090 6347224 6348450 6394047
 6393698 6393714 6393724 6393731 6405059 6404437 6402894 6428130 6375968 6471890 6521773
 6562288 6583784

- **119369-05 – GNOME 2.6.0_x86: Printing Technology Patch**

5083233 6200941 6263422 6231341 6305090 6347224 6418897

- **119373-02 – GNOME 2.6.0_x86: GNOME common development tools and libraries Patch**

6200654 6230101

- **119398-06 – SunOS 5.10_x86: Patch for North America Region locale issues**

6227384 6249315 6338196 6318932 6354302 6346087 6280189 6395212 6316938 6484316 6618050

- **119400-06 – SunOS 5.10_x86: Patch for Central American Region locale issues**

6255292 6249315 6338196 6318932 6354302 6346087 6280189 6395212 6316938 6484316 6618050

- **119402-08 – SunOS 5.10_x86: Patch for Western Europe Region locale issues**

6227384 6249315 6338196 6380900 6318932 6375175 6403522 6346087 6280189 6394467 6305220
 6395212 6316938 6484316 6618050

- **119405-06 – SunOS 5.10_x86: Patch for South American Region locale issues**

6228240 6249315 6338196 6318932 6354302 6346087 6280189 6395212 6316938 6484316 6570559
 6618050

- **119406-05 – SunOS 5.10_x86: Patch for Central European Region locale issues**

6222362 6227384 6249315 6338196 6336555 6318932 6403522 6354302 6346087 6280189 6309622
 6395212 6316938 6435355 6484316

- **119408-08 – SunOS 5.10_x86: Patch for Eastern Europe Region locale issues**

6228243 6228192 6249315 6338196 6346843 6314583 4944311 6367674 6383002 6399124 6375175
 6403522 6346087 6280189 4997058 6395212 6316938 6505106 6484316 6448485

- **122213-25 – GNOME 2.6.0_x86: GNOME Desktop Patch**

4788904 4899270 5011528 5028758 5032088 5037390 5037397 5054339 5054519 5056390 5072848
 5088581 5108742 6174227 6174239 6179500 6191372 6193275 6195818 6197950 6200000 6200326
 6200485 6202413 6202416 6203727 6205402 6208184 6209566 6210443 6211279 6214222 6214486
 6217648 6218072 6218831 6222326 6225051 6230090 6230098 6232275 6232578 6234837 6234894
 6237403 6238031 6239595 6239962 6244269 6247833 6248517 6250742 6251220 6253594 6255199
 6255964 6261299 6262830 6263045 6267922 6271501 6273175 6277164 6291127 6298139 6303219
 6303664 6312736 6312879 6314534 6317578 6324700 6340714 6340716 6347227 6347360 6354209
 6354812 6363035 6363752 6371901 6385401 6389444 6393698 6393714 6393724 6393731 6398671
 6402088 6402894 6404286 6404437 6405059 6405923 6406972 6411797 6418344 6421852 6424152

6424743 6426293 6426326 6427706 6429887 6432728 6437405 6440923 6446780 6446935 6450436
6451420 6451577 6455491 6456258 6456363 6457141 6457350 6458563 6459430 6464582 6464949
6472442 6477272 6486295 6491244 6501883 6502936 6515121 6555135 6556913 6561342 6569966
6569992 6573285 6586812 6593696 6599865 6648538

- **119411-05 – GNOME 2.6.0_x86: Gnome Applets Patch**

6205402 6245563 6207273 6393698 6393714 6393724 6393731 6405059 6404437 6402894 6232275

- **119415-14 – GNOME 2.6.0_x86: Gnome Accessibility Libraries Patch**

6192805 6205225 6182499 6182502 6217152 6192693 6205004 6216843 6226723 6228329 6260441
6283137 6315241 4768049 6347858 6340516 6358227 6386230 6199929 6407595 6431039 6377106
6437617 6468296 6486458 6534092

- **119417-01 – GNOME 2.6.0_x86: Gnome Text-To-Speech Engine Patch**

6216843 6226723 6228329

- **119419-04 – GNOME 2.6.0_x86: Gnome On-screen Keyboard Patch**

5109895 6200712 6211656 6223576 6405972 6364326 6329929 6574969

- **119421-01 – SunOS 5.10_x86: Thai locale patch**

6235012

- **119471-11 – SunOS 5.10_x86: Sun Enterprise Network Array firmware and utilities**

5046910 5076769 5079007 6201060 6204512 6234959 6235886 6247521 6250956 6250957 6274205
6285969 6309346 6339658 6384885 6397672 6494611 6534722 6551944 6588281

- **120200-11 – SunOS 5.10_x86: sysidtool patch**

4716085 5110062 6194680 6220706 6239897 6268847 6404131 6404878 6421783 6438773 6439322
6445230 6517432 6555501

- **119535-13 – SunOS 5.10_x86: Flash Archive Patch**

4947796 4956004 5031468 5081174 6216373 6225430 6256048 6267370 6301206 6306712 6322333
6323294 6330261 6382817 6388619 6416737 6445230 6452449

- **119539-14 – GNOME 2.6.0_x86: Window Manager Patch**

6200511 6182510 6227065 6204338 6393698 6393714 6393724 6393731 6405059 6404437 6402894
6455491 6433759 6424031 6424017 6459957 6404286 6406972 6468212 6407497 6588919 6501883
6586812

- **119541-07 – GNOME 2.6.0_x86: Gnome Dtlogin configuration Patch**

6197950 6248517 6214486 6206909 6492870 6532300 6425609

- **119545-03 – GNOME 2.6.0_x86: Gnome streaming media framework Patch**

6226060 6227666 6226597

- **120100-08 – APOC 1.2_x86: Sun Java(tm) Desktop System Configuration Shared Libraries**

6265312 6278049 6293945 6363692 6387982 6406269 6442745 6512760 6527486

- **119547-08 – APOC 1.2_x86: APOC Configuration Agent Patch**

6241546 6257229 6258281 6278047 6293945 6313943 6363692 6386010 6389918 6387976 6391134
6388397 6414406 6417504 6417522 6417539 6391879 6527487 6527489 6506513

- **119549-12 – GNOME 2.6.0_x86: Gnome Multi-protocol instant messaging client Patch**

6217610 4990149 6268932 6269430 6328008 6199135 6333181 6465423 6481367 6437316 6547723
6556818 6600376 6629743

- **119575-02 – SunOS 5.10_x86: su patch**

6213281 6219721 6219774 6243480

- **119599-08 – GNOME 2.6.0_x86: Gnome Screen Reader and Magnifier Patch**

6205770 6191352 6207171 5083128 6205765 6202337 6200573 6186020 5095976 6315934 6202897
6193299 6239339 6240135 6373775 6340786 6380184 6434160 6468296

- **119602-12 – SunOS 5.10_x86: Patch for European Region JDS messages**

4929548 4957762 6176784 6179511 6180730 6186577 6250683 6263015 6274401 6287987 6296998
6308186 6336423 6342833 6382651 6401474 6408317 6454615 6457091 6461902 6467056 6493973
6526362 6527359 6546801 6586113

- **119604-08 – SunOS 5.10_x86: Patch for Asian Region JDS messages**

4932571 4957762 6176784 6250683 6263015 6294274 6297892 6308186 6312176 6336423 6408317
6454615 6461902 6493973 6526362 6586113

- **119606-08 – SunOS 5.10_x86: Patch for Japanese Region JDS messages**

6176784 6250683 6263015 6308186 6336423 6408317 6454615 6461902 6493973 6526362 6586113

- **119649-03 – SunOS 5.10_x86: vlan driver patch**

5097913 6216827 6421519 6313896

- **119704-11 – S10_x86: Patch for localeadm issues**

6293965 6192791 6286551 6189823 6252055 6249315 6338196 6339465 6350486 6384012 6390202
6412760 6221121 6221131 6416912 6430375 6430484 6408147 6423974 6237192 6423979 6339607
6197142 6526633 6520204

- **120273-19 – SunOS 5.10_x86: SMA patch**

6191915 6243363 6243366 6244918 6247942 6298133 6299309 6314112 6314978 6347707 6349493
6349495 6349499 6349501 6367337 6368319 6408492 6420118 6426297 6430536 6438781 6441943
6456725 6472768 6473670 6487782 6490830 6494645 6496216 6498228 6527505 6531274 6536316
6540271 6545840 6553315 6554658 6564641 6578037 6608945 6617654

■ **122641-06 – SunOS 5.10_x86: zfs genesis patch**

4063945 4799697 5004701 5096886 6198523 6217870 6223375 6240363 6250211 6256157 6256372
6262573 6265542 6276934 6277961 6280668 6284968 6285992 6303398 6322005 6322205 6332352
6335370 6337437 6338081 6338386 6338653 6341429 6343608 6345690 6346183 6351165 6354381
6354997 6355634 6360864 6362641 6365101 6369794 6379909 6381344 6389326 6392291 6393003
6393443 6395670 6396049 6396628 6397071 6397267 6398177 6398380 6398622 6398664 6398713
6399272 6399301 6399767 6399899 6399918 6399930 6400742 6401243 6402388 6402569 6402598
6403294 6405008 6405662 6406959 6407365 6407366 6407367 6407377 6407444 6407635 6407791
6407842 6408482 6409927 6410371 6410698 6410700 6410709 6410711 6410836 6411780 6413125
6413573 6413731 6416101 6420920 6422565 6423046 6424405 6426323 6435700

■ **127756-01 – SunOS 5.10_x86: Fault Manager patch**

4979014 6193463 6193662 6195325 6239835 6252904 6255063 6268345 6279682 6293593 6321477
6333178 6343361 6345661 6346507 6347217 6349876 6350627 6354315 6362846 6365557 6365571
6371203 6372207 6372709 6373293 6376848 6376946 6380684 6382913 6382917 6382925 6382930
6384772 6388410 6390177 6396916 6399876 6399927 6400607 6404180 6404436 6405256 6411355
6419833 6421101 6421449 6422759 6424822 6426365 6426478 6427994 6429072 6434201 6437505
6438237 6440395 6443847 6443849 6444564 6446415 6448718 6450416 6451677 6452185 6456918
6457153 6457970 6457992 6458982 6459000 6462237 6464740 6467144 6468723 6473807 6473811
6473819 6473916 6473918 6476548 6476919 6477382 6477385 6477426 6477430 6477442 6477446
6477453 6477456 6477461 6480629 6480930 6481208 6485057 6486965 6486977 6490519 6491720
6491762 6491773 6493219 6494939 6495169 6496337 6496757 6496850 6498181 6498195 6498201
6499304 6502204 6502660 6502949 6503409 6506108 6506622 6509315 6509757 6510717 6512947
6513804 6518718 6518722 6518796 6519375 6520142 6520501 6520901 6527547 6528153 6528685
6529553 6536452 6629672

■ **125504-02 – SunOS 5.10_x86: package-move-of-IP-objects patch**

6575034 6577318

■ **125548-02 – SunOS 5.10_x86: zoneadm indirect dependency patch**

6576146 6580974

■ **126424-03 – SunOS 5.10_x86: bootadm patch**

6256649 6344611 6351677 6361537 6375429 6389053 6393691 6401926 6402084 6414179 6415092
6419989 6429888 6440562 6441220 6460097 6507293 6570427 6574184 6582327

■ **120012-14 – SunOS 5.10_x86: kernel patch**

1085341 1236941 1248254 1253974 4034947 4063945 4069191 4157198 4261677 4304959 4305127
4317114 4338634 4369168 4396195 4406529 4412959 4508683 4516075 4529113 4614772 4626861
4631155 4652746 4667251 4691104 4691624 4696964 4705220 4721729 4728609 4740951 4754856

4765561	4768758	4795652	4797442	4799697	4825216	4840845	4863327	4873799	4875480	4882852
4892867	4894692	4900516	4909247	4912568	4920408	4927198	4931229	4932150	4937832	4939546
4952533	4954703	4963280	4963285	4963287	4963315	4963361	4963362	4963365	4963368	4963372
4964162	4966416	4970365	4970475	4970596	4970603	4971371	4971789	4974005	4978063	4978517
4979596	4979830	4981132	4984263	4986360	4987141	4991139	4994285	4996426	4997903	5004247
5004701	5005887	5007891	5008923	5009112	5019131	5022506	5022513	5023347	5024997	5026227
5027528	5028908	5033325	5033725	5039325	5039559	5039974	5040248	5041214	5046881	5048068
5049028	5049946	5052723	5053609	5057154	5057756	5059459	5059461	5062168	5063193	5067502
5068886	5072858	5076562	5080012	5080843	5081104	5081834	5083131	5083593	5085664	5092743
5094575	5094589	5094814	5096736	5096886	5097644	5099921	5100567	5103071	5108961	6180161
6181364	6181751	6181773	6181926	6183842	6186472	6188656	6188861	6193468	6193493	6194576
6195428	6195934	6196062	6196716	6197234	6197268	6197284	6197606	6198116	6198296	6198523
6199119	6199500	6200215	6200896	6201153	6201866	6202015	6202359	6204066	6204887	6205056
6207181	6207403	6207608	6207705	6207974	6208976	6209214	6210936	6211662	6211845	6211857
6212675	6213084	6214106	6214460	6214824	6215066	6215509	6215817	6216286	6216464	6216522
6216772	6217454	6217588	6217718	6217870	6217899	6218014	6218030	6218168	6218378	6218993
6219101	6219146	6219636	6220012	6220119	6220136	6220169	6220366	6221091	6221396	6221553
6221584	6222025	6222046	6222467	6222477	6222529	6222935	6223178	6223353	6223370	6223375
6223908	6224192	6224806	6225323	6225601	6226635	6226776	6227744	6227969	6228358	6228760
6229087	6229145	6229583	6229724	6229753	6230033	6230927	6231291	6231450	6231466	6231467
6231468	6231612	6231905	6232253	6232309	6232564	6232579	6232648	6232671	6232870	6233613
6234525	6235141	6235271	6235357	6236011	6236015	6236019	6236023	6236029	6236594	6236885
6236895	6237001	6237363	6237466	6237801	6238177	6238277	6238962	6239551	6239739	6239838
6239840	6240363	6240605	6240909	6241740	6241782	6242059	6242262	6242434	6242993	6243434
6243770	6244217	6244408	6244411	6245401	6245935	6246898	6248163	6248414	6248700	6248745
6249025	6249718	6249813	6250168	6250211	6253484	6253934	6254029	6254145	6254191	6255593
6256157	6256372	6256581	6258318	6258804	6258976	6259973	6259998	6260523	6260724	6261002
6261894	6262086	6262333	6262573	6263096	6264137	6264225	6264573	6265017	6265403	6265417
6265494	6265542	6265569	6265652	6265737	6266155	6266365	6266851	6266870	6266950	6266961
6266978	6267748	6267828	6268124	6268224	6268229	6268916	6269042	6269046	6269200	6269422
6269601	6269607	6269805	6270212	6270215	6270225	6272558	6272568	6272993	6273003	6273484
6274517	6274647	6274653	6274668	6274877	6276101	6276515	6276525	6276916	6276925	6276979
6277961	6278018	6278068	6278192	6278459	6278983	6280209	6281100	6281113	6281202	6281206
6281236	6281585	6281689	6281772	6281951	6282049	6282214	6282641	6282866	6283165	6283570
6284455	6284640	6284880	6284968	6285539	6286167	6286536	6286625	6287425	6287497	6288029
6288488	6288840	6289221	6289517	6289595	6289986	6290613	6291378	6292050	6292874	6292928
6293006	6293271	6294728	6294795	6295037	6295417	6295554	6295588	6295662	6295808	6297849
6298425	6298438	6298484	6298972	6298974	6298981	6299045	6299048	6299480	6299947	6300246
6300280	6300853	6301080	6301082	6301083	6301086	6301087	6301088	6301091	6301500	6301942
6302778	6303236	6303398	6303418	6303594	6303764	6303770	6304206	6304467	6304566	6304815
6304960	6305400	6305443	6305465	6305641	6305794	6306667	6306668	6307146	6307274	6307498
6307539	6307568	6307994	6308632	6308796	6308939	6308948	6308953	6308974	6309410	6309430
6309681	6310003	6310079	6310083	6310438	6311010	6311037	6311713	6311947	6311952	6311956
6311958	6311960	6311963	6311975	6311976	6311990	6312034	6312173	6312329	6312678	6312914
6313012	6313214	6313519	6313638	6313668	6313670	6314073	6314217	6314433	6314444	6314484
6314502	6314996	6315028	6315033	6315034	6315035	6315037	6315087	6315190	6315975	6316660
6316708	6317027	6317107	6317350	6318308	6318536	6319069	6320437	6320438	6320439	6320440
6320443	6320445	6320447	6320449	6320651	6320980	6321016	6321244	6321272	6321353	6321540

6321858	6322005	6322205	6322272	6322672	6322760	6323319	6323322	6323393	6323554	6323578
6324319	6324582	6324924	6325373	6325885	6326173	6326497	6326584	6326650	6326664	6326796
6326834	6327032	6327139	6327926	6328144	6328758	6329240	6330782	6330787	6331093	6331159
6331246	6331488	6331963	6332245	6332338	6332347	6332352	6332420	6332630	6332721	6332949
6333081	6333184	6333617	6333693	6333732	6334208	6334300	6334512	6334580	6334655	6335025
6335195	6335370	6335522	6335549	6336131	6337221	6337298	6337437	6337595	6338002	6338081
6338136	6338331	6338386	6338570	6338653	6339368	6339474	6339475	6339712	6339778	6340028
6340196	6340621	6340650	6340770	6340814	6341429	6341569	6342066	6342781	6342823	6342977
6343055	6343157	6343419	6343741	6345056	6345226	6345552	6345560	6345690	6345758	6345809
6346183	6346529	6346926	6347073	6347364	6348180	6348585	6349088	6349228	6349494	6349906
6349987	6350027	6350127	6350216	6350217	6350219	6350221	6350223	6350224	6350225	6350373
6350960	6351092	6351165	6351221	6351310	6351354	6351805	6351840	6351954	6352224	6352821
6352877	6353371	6353438	6353492	6353515	6354381	6354408	6354498	6354773	6354842	6354996
6354997	6355084	6355392	6355538	6355571	6355597	6355634	6355953	6356155	6356419	6356708
6356796	6357600	6357764	6357949	6358827	6359001	6359116	6359264	6359306	6359805	6359831
6359850	6360437	6360442	6360749	6360764	6360864	6360928	6361478	6361949	6362044	6362047
6362106	6362338	6362641	6363303	6363393	6363495	6363503	6363985	6364227	6364267	6364447
6364643	6365335	6365741	6365742	6365743	6365882	6366097	6366244	6366301	6366758	6366821
6366825	6367031	6367044	6367046	6367047	6367049	6367051	6367053	6367057	6367061	6367063
6367067	6367068	6367069	6367070	6367073	6367075	6367103	6367222	6367820	6367840	6367959
6367985	6368315	6368332	6368524	6368526	6368529	6368630	6368690	6368751	6368763	6368850
6369094	6369116	6369408	6369582	6369648	6369771	6369961	6370137	6370284	6370454	6370506
6370693	6370798	6370802	6370963	6371490	6371877	6371967	6372082	6372151	6372169	6372587
6372620	6373071	6373233	6373298	6373322	6373357	6373697	6373978	6374138	6374560	6374596
6374606	6375797	6375841	6376283	6376743	6376800	6376848	6377319	6377362	6377640	6378297
6378364	6378676	6378979	6379249	6379285	6379341	6379498	6379717	6379905	6379909	6380248
6380322	6380434	6380470	6380913	6381022	6381059	6381288	6381319	6381344	6381543	6382945
6383188	6384263	6384324	6384371	6384565	6384624	6384642	6384727	6384962	6385004	6385007
6385042	6385349	6385436	6385479	6385516	6385609	6385726	6385747	6385777	6385792	6386262
6386331	6386770	6387493	6388050	6388070	6388192	6388946	6388986	6389056	6389264	6389273
6389326	6389646	6389650	6389931	6390004	6390074	6390114	6390119	6390205	6390232	6390239
6390248	6390296	6390378	6390410	6390449	6390617	6390709	6390838	6391051	6391117	6391121
6391249	6391591	6391605	6391685	6391774	6391893	6392166	6392223	6392438	6392467	6392513
6392589	6392656	6392748	6393251	6393356	6393362	6393431	6393490	6393525	6393796	6393895
6394197	6394273	6394554	6395043	6395124	6395385	6395837	6395902	6395954	6396823	6397007
6397052	6397053	6397146	6397148	6397255	6397256	6397762	6397830	6397853	6397915	6398161
6398506	6398893	6399888	6399897	6399915	6399963	6399981	6400688	6400758	6400763	6401068
6401219	6401400	6401506	6401695	6401916	6402114	6402533	6402600	6402653	6402737	6402781
6402814	6403267	6403510	6403995	6404017	6404051	6404171	6404207	6404290	6404301	6404310
6404315	6404337	6404563	6404654	6404729	6404765	6404877	6405012	6405233	6405330	6405338
6405400	6405658	6405773	6405777	6405807	6405927	6405929	6405932	6405933	6405939	6405966
6405996	6406097	6406990	6407920	6408242	6408665	6408738	6408879	6408901	6408933	6408957
6408975	6409228	6409302	6409350	6409613	6409758	6410027	6410294	6410433	6411400	6411683
6412077	6412471	6412476	6412531	6412600	6413092	6413095	6413280	6413510	6413767	6413809
6414648	6414721	6414729	6414734	6414740	6414797	6414967	6415132	6415181	6415509	6415519
6415523	6415535	6415617	6415633	6415739	6416224	6416482	6416639	6416714	6416759	6416794
6417483	6417978	6418491	6418563	6418659	6418698	6418713	6418727	6418995	6419030	6419439
6419785	6419826	6419880	6419993	6420135	6420204	6420310	6420438	6420985	6421202	6421883

6421886 6421992 6422023 6422168 6422929 6422933 6423051 6423412 6423486 6424132 6424343
6424466 6424543 6424550 6424554 6424653 6424735 6424822 6424853 6424883 6425063 6425111
6425335 6425708 6425736 6425740 6425808 6425930 6426048 6426129 6426172 6426285 6426469
6426477 6426542 6426755 6426760 6426868 6426934 6426980 6427444 6427784 6428203 6428204
6428347 6428639 6428685 6428870 6429228 6429406 6429418 6429504 6429600 6429769 6429952
6429978 6430121 6430189 6430221 6430869 6430941 6431036 6431453 6431529 6431534 6431731
6431818 6431835 6431982 6432394 6432471 6433208 6433264 6433292 6433406 6433408 6433451
6433511 6433526 6433608 6433679 6433680 6433683 6433685 6433686 6433687 6433688 6433690
6433717 6434054 6434279 6434595 6434915 6435631 6435779 6435862 6435880 6435899 6435911
6435943 6436000 6436283 6436303 6436325 6436336 6436364 6436368 6436502 6436514 6436524
6436526 6436628 6436760 6436800 6436841 6436853 6436999 6437077 6437173 6437366 6437409
6437472 6437734 6437750 6437808 6437810 6438116 6438325 6438413 6438450 6438643 6438679
6438702 6438926 6438947 6439016 6439102 6439370 6439774 6440123 6440263 6440338 6440415
6440499 6440515 6440592 6440684 6440743 6441384 6441577 6442165 6442252 6442443 6442921
6443201 6443338 6443585 6443592 6443679 6443849 6443858 6443891 6444147 6444346 6444692
6444746 6445172 6445356 6445492 6445680 6445821 6446060 6446364 6446392 6446503 6446512
6446569 6446620 6446729 6446740 6446807 6446828 6447377 6447381 6447383 6447393 6447452
6447631 6447701 6447715 6447800 6447838 6447914 6448139 6448141 6448184 6448326 6448371
6448515 6448732 6448747 6448919 6448999 6449033 6449078 6449278 6449337 6449485 6449604
6449620 6449650 6449886 6449987 6450029 6450292 6450490 6450653 6450672 6450744 6450749
6450816 6450830 6451061 6451124 6451217 6451382 6451412 6451427 6451494 6451671 6451727
6451781 6451860 6452077 6452372 6452420 6452474 6452786 6452923 6453026 6453090 6453157
6453172 6453304 6453410 6453470 6453594 6453641 6453678 6453732 6454066 6454140 6454158
6454375 6454551 6454629 6455174 6455228 6455234 6455249 6455289 6455363 6455370 6455373
6455377 6455382 6455431 6455443 6455563 6455591 6456206 6456284 6456365 6456379 6456412
6456456 6456465 6456573 6456626 6456642 6456676 6456888 6456939 6457006 6457110 6457144
6457407 6457432 6457478 6457865 6457918 6457970 6458006 6458028 6458058 6458059 6458122
6458128 6458158 6458218 6458281 6458323 6458410 6458571 6458595 6458614 6458638 6458639
6458668 6458678 6458683 6458691 6458704 6458781 6458962 6458970 6459301 6459314 6459866
6459954 6460043 6460059 6460235 6460274 6460380 6460398 6460437 6460452 6460584 6460622
6460832 6460876 6461029 6461160 6461190 6461223 6461278 6461283 6461311 6461365 6461424
6461427 6461438 6461522 6461609 6461757 6461784 6461988 6462114 6462124 6462151 6462174
6462185 6462189 6462355 6462462 6462530 6462638 6462748 6462995 6463069 6463140 6463219
6463226 6463348 6463349 6463350 6463482 6463524 6463536 6463788 6463842 6463857 6463917
6463920 6464106 6464136 6464211 6464235 6464285 6464310 6464368 6464408 6464581 6464597
6464605 6464647 6464825 6464897 6465195 6465263 6465594 6465623 6465634 6465639 6466047
6466048 6466078 6466248 6466257 6466329 6466340 6466394 6466406 6466526 6466530 6466818
6467149 6467201 6467324 6467367 6467539 6467558 6467596 6467721 6467777 6467925 6468001
6468070 6468329 6468453 6468731 6468748 6469119 6469219 6469233 6469235 6469236 6469321
6469385 6469453 6469550 6469654 6469830 6469902 6469929 6469953 6470042 6470060 6470132
6470348 6470374 6470489 6470504 6470725 6470732 6470764 6470782 6470835 6470966 6471094
6471255 6471322 6471359 6471363 6471429 6471677 6471679 6471718 6471923 6471974 6472019
6472021 6472171 6472230 6472255 6472377 6472389 6472843 6473179 6473215 6473297 6473418
6473457 6473618 6473639 6473749 6473775 6473925 6473996 6474091 6474277 6474547 6474602
6474678 6474717 6474786 6474791 6474802 6474853 6475007 6475149 6475254 6475256 6475302
6475506 6475734 6475890 6475903 6475942 6476196 6476321 6476339 6476437 6476457 6476506
6476517 6476543 6476663 6477049 6477102 6477103 6477108 6477109 6477132 6477220 6477249
6477545 6477703 6477720 6477746 6477887 6477900 6477912 6478028 6478137 6478246 6478353

6478363	6478388	6478675	6478928	6478999	6479024	6479036	6479209	6479451	6479473	6479497
6479498	6479556	6479563	6479638	6479675	6479721	6479724	6479756	6479813	6479912	6480230
6480245	6480255	6480505	6480516	6480626	6480627	6480790	6480815	6480849	6480901	6480903
6480942	6480953	6480959	6481313	6481326	6481387	6481563	6481603	6481731	6481882	6481949
6482162	6482163	6482403	6482530	6482567	6482596	6482653	6482820	6482822	6482827	6483014
6483040	6483059	6483153	6483208	6483216	6483226	6483230	6483231	6483233	6483272	6483324
6483338	6483377	6483435	6483675	6483718	6483761	6483779	6484044	6484106	6484731	6484743
6484763	6484895	6485057	6485164	6485171	6485204	6485375	6485379	6485555	6485580	6485599
6485728	6485731	6485761	6485781	6485943	6485955	6486288	6486343	6486390	6486404	6486415
6486472	6486473	6486496	6486513	6486575	6486651	6486893	6487273	6487284	6487360	6487387
6487521	6487534	6487719	6487770	6487857	6487908	6487958	6488124	6488370	6488478	6488621
6488636	6488665	6488843	6488985	6489058	6489149	6489152	6489169	6489363	6489393	6489459
6489548	6489593	6489651	6489671	6489687	6489714	6489753	6489821	6489885	6489978	6490012
6490046	6490104	6490105	6490445	6490454	6490462	6490506	6490514	6490516	6490546	6490558
6490569	6490658	6490829	6490938	6490981	6491179	6491410	6491720	6491971	6492025	6492109
6492223	6492686	6492882	6492942	6493109	6493146	6493200	6493272	6493605	6493685	6493750
6493833	6493870	6493923	6493982	6494072	6494075	6494394	6494431	6494630	6494638	6494654
6494715	6494743	6494750	6494827	6494832	6494840	6495007	6495013	6495324	6495328	6495346
6495347	6495455	6495485	6495595	6495596	6496178	6496323	6496341	6496344	6496346	6496347
6496350	6496356	6496357	6496359	6496365	6496416	6496424	6496648	6496740	6496754	6496763
6497211	6497563	6497625	6497668	6497698	6497789	6498161	6498264	6498283	6498408	6498635
6498830	6498986	6499244	6499328	6499454	6499459	6499476	6499493	6499670	6499804	6499865
6499891	6499997	6500554	6500684	6500877	6500938	6500952	6501024	6501102	6501294	6501789
6502193	6502201	6502598	6502676	6502745	6502748	6502750	6502782	6502783	6502873	6502979
6503464	6503724	6503788	6503790	6503810	6503812	6503848	6503922	6503997	6504039	6504058
6504130	6504195	6504199	6504229	6504386	6504424	6504688	6504702	6504958	6505189	6505225
6505266	6505360	6505361	6505445	6505570	6505625	6505658	6505896	6505933	6506506	6506563
6506748	6506837	6507117	6507210	6507293	6507361	6507501	6508018	6508068	6508109	6508123
6508434	6508435	6508502	6508652	6508701	6508883	6508934	6509037	6509484	6509639	6509736
6509749	6510153	6510271	6510353	6510448	6510717	6510729	6510807	6510852	6510853	6511442
6511600	6511976	6511978	6512106	6512311	6512391	6512601	6512661	6512844	6512868	6513011
6513020	6513170	6513171	6513238	6513899	6513951	6513953	6514071	6514331	6514446	6514637
6514760	6514873	6515109	6515653	6515821	6516004	6516132	6516175	6516265	6516581	6516610
6516629	6516660	6516668	6516755	6516884	6516929	6517390	6517852	6517883	6518224	6518397
6518432	6518531	6518710	6518780	6519043	6519047	6519400	6519690	6519742	6520051	6520071
6520116	6520124	6520662	6520838	6521026	6521185	6521326	6521370	6521502	6521543	6521689
6521915	6521957	6522070	6522133	6522439	6522697	6523011	6523130	6523454	6523491	6523767
6523936	6523938	6524250	6524270	6524285	6525008	6525577	6525765	6525824	6526154	6526196
6526404	6526418	6526815	6526874	6526896	6526932	6527020	6527134	6527301	6527325	6527403
6527494	6527632	6527710	6528274	6528546	6528668	6528692	6528890	6528972	6529109	6529406
6529447	6529454	6529767	6530288	6531474	6532056	6532442	6532645	6533511	6533554	6533769
6534102	6534136	6534147	6534183	6534262	6534624	6535016	6535224	6535551	6535564	6535712
6535743	6535824	6536641	6537357	6537358	6537512	6538001	6538049	6538379	6538844	6539122
6539337	6539449	6539482	6539615	6539844	6540669	6541025	6541094	6541703	6542408	6542658
6542809	6542888	6543119	6543436	6543556	6543558	6543658	6544618	6544832	6545015	6545032
6545187	6545556	6545689	6545833	6547155	6548196	6548711	6549055	6549112	6550086	6550191
6550300	6550762	6551395	6553151	6553296	6553331	6553350	6553352	6553649	6553905	6554095
6554129	6554938	6555071	6555465	6555550	6555977	6555985	6556368	6556443	6556695	6556697

6556698 6556949 6557246 6557249 6558710 6559832 6560567 6561413 6561456 6562522 6562672
 6563145 6563381 6564556 6564963 6566368 6567002 6568457 6568980 6571718 6572667 6574472
 6574662 6575261 6575670 6575705 6578653 6586595

- **119758-11 – SunOS 5.10_x86: Samba patch**

4768591 5080288 5100732 6174211 6179361 6185348 6217228 6218964 6248115 6248953 6254372
 6267187 6310561 6332751 6344828 6345488 6362017 6379618 6401467 6406753 6408839 6412838
 6444725 6446200 6447666 6464952 6482687 6506636 6518705 6521788 6556138 6557101 6563383
 6564928 6566004 6568848 6574866 6574981 6576479 6595282 6595819 6602593 6603684 6630358
 6631513 6632855 6640253 6650949

- **119765-06 – SunOS 5.10_x86: ipmitool patch**

6209442 6266203 6266225 6344396 6397856 6433094 6407932 6459243

- **119767-02 – SunOs 5.10_x86: SunFreeware man pages patch**

6209442 6266203 6266225

- **119772-02 – SunOS 5.10_x86: Asian CCK locales patch**

6246438 6357520 6452120 6477326

- **119784-05 – SunOS 5.10_x86: bind patch**

6192028 6226796 6308420 6350145 6361078 6414518 6422073 6461587 6461591 6532492 6567532
 6567534 6582717

- **119798-17 – SunOS 5.10_x86: CDE Localization message patch**

6259957 6299116 6279262 6309630 6375502 6345512 6382640 6395838 6402802 6228181 6472278
 6496814 6523248 6533231 6537588 6580943 6659132

- **119811-05 – SunOS 5.10_x86: International Components for Unicode Patch**

4785261 6217550 6354379 6410112 6511431 6661352

- **119813-07 – X11 6.6.2_x86: Freetype patch**

6229445 6261066 6292556 6425531 6466790 6539893 6542352 6375381 6589553

- **119815-19 – SunOS 5.10_x86: OS Japanese manpages patch**

6262660 6261964 6317482 6373667 6396026 6443861 6474177 6548283 6362324 6642447 6629559
 6637061 6666801

- **119827-02 – SunOS 5.10_x86: libadm.so.1 Patch**

4804793 6197410

- **119891-03 – GNOME 2.6.0_x86: search tool Patch**

6253916 5072526 6234957

- **119901-04 – GNOME 2.6.0_x86: Gnome libtiff - library for reading and writing TIFF Patch**

6203747 6321957 6377231 6412202 6451119

- **119904-02 – Openwindows 3.7.3_x86: Xview Patch**

4459703 6444095

- **119907-12 – Gnome 2.6.0_x86: Virtual File System Framework patch**

6543813 5068327 6177074 6179500 6199955 6200485 6205707 6234855 6243455 6262830 6408294
6463564 6470281 6477272 6503530 6552805 6634693

- **119956-04 – CDE 1.6_x86: Tooltalk Runtime patch for Solaris 10**

6206423 6235250 6257227 6328571 6548554 6548563

- **119961-02 – SunOS 5.10_x86, x64, Patch for assembler**

6251717 6250279 6200917 5058413 6201130 6211433 6200463 6219243 6218032 6205808 6252350
6316356 6313008 6307995 6302163 6304577 6299462 6290635 6265210 6260465 6280973

- **119964-08 – SunOS 5.10_x86: Shared library patch for C++_x86**

6242459 6244128 6244223 6253345 6300352 6264451 6253807 6242145 6244286 6274396 6304703
6326163 6339010 6369719 6393170 6319635 6391358 6406049 6421790 6432346 6466759

- **119975-08 – SunOS 5.10_x86: fp plug-in for cfgadm**

6223856 6259488 6336260 6444373 6445889 6463935 6475039 6476151 6494611 6614447

- **119987-03 – SunOS 5.10_x86: clri patch**

4913439 6194015 6421970

- **119989-01 – SunOS 5.10_x86: sed patch**

4865669

- **120039-01 – SunOS 5.10_x86: sar patch**

6257191

- **120045-01 – SunOS 5.10_x86: psrset patch**

6248421

- **120063-01 – SunOS 5.10_x86: localedef Patch**

6274427 6287593

- **120065-01 – SunOS 5.10_x86: stdio_iso.h Patch**

6266832

- **120095-18 – X11 6.6.2_x86: xscreensaver patch**

6237901 6267306 6228023 6203951 4806728 4818062 6368558 6368607 6369021 6346056 6232241
6333226 6417168 5015296 6256520 6373797 6423730 5077974 5083155 6240938 6450019 6456499
6388473 6406200 6395649 6461887 6478362 6478841 6451477 6483977 6580862 6573182 6607112
6610282 6611662 6653139 6652454 6607629 6652311

- **120102-01 – SunOS 5.10_x86: patch usr/lib/libsmmedia.so.1**

6240296

- **120202-06 – X11 6.8.0_x86: Xorg client libraries patch**

6248315 6366603 6347707 6380000 6504462 6489660 6582977 6585549 6644843

- **120223-26 – SunOS 5.10_x86: Emulex-Sun LightPulse Fibre Channel Adapter driver**

6248456 6248899 6252273 6252308 6252633 6252767 6264417 6273321 6273949 6275529 6276730
6277406 6281068 6281270 6281938 6284688 6286283 6286352 6290648 6291133 6296689 6299387
6300078 6301627 6312068 6314407 6319648 6323974 6325753 6329384 6329972 6331152 6333054
6333059 6336547 6339616 6339679 6339682 6340896 6340901 6342203 6343904 6344012 6348810
6350753 6364395 6381360 6383122 6385881 6386425 6392218 6400647 6408870 6436873 6443455
6447084 6462658 6467485 6468515 6469813 6469819 6482048 6482413 6482541 6482617 6482630
6483985 6484005 6488246 6490673 6497681 6510934 6512195 6513802 6514128 6526703 6530687
6534219 6534338 6535567 6535797 6540057 6542233 6544085 6548008 6553772 6553876 6557305
6559701 6561873 6584803 6589732 6601682 6609124 6609137 6609142 6609181 6609224 6609229
6609242 6609248 6609255 6609260 6609270 6609814 6624434 6625110 6633867 6633873 6633893
6633903 6633947 6633950 6633954 6633964 6633970 6633976 6647421 6647426 6647431 6647432
6647435 6648005 6648012 6648016 6648019 6648024 6652679 6652693 6653782 6658244

- **120236-01 – SunOS 5.10_x86: Live Upgrade Zones Support Patch**

6275557

- **120283-03 – GNOME 2.6.0_x86: Gnome CD Player Utility Patch**

5053909 6210011 6387160 6484413

- **120285-06 – GNOME 2.6.0_x86: GNOME CORBA ORB and component framework**

6235648 6238754 6295858 6440951 6466464 6542835 6425609

- **120287-02 – GNOME 2.6.0_x86: Gnome text editor Patch**

4937266 6355577 5092704 6347229

- **120289-03 – GNOME 2.6.0_x86: Gnome terminal Patch**

6241338 6242857 6303664 6430930

- **120293-01 – SunOS 5.10_x86: mysql patch**

6258187

- **120295-01 – SunOS 5.10_x86: mysql man patch**

6258187

- **120312-01 – SunOS 5.10_x86: FRESHBIT ONLY PATCH: For deletes file**

6178746

- **120313-01 – SunOS 5.10_x86: SPECIAL PATCH: For EDITABLE Files**

6286536

- **120330-02 – SunOS 5.10_x86: rexec patch**

6245588 6371429

- **121454-02 – SunOS 5.10_x86: Sun Update Connection Client Foundation**

6322616 6348676 6325141 6325580 6325603 6324926 6325021 6319981 6324894 6316500 6288010
6288194 6288300 6289010 6293659 6297756 6298489 6299025 6300171 6300219 6300355 6300794
6302650 6303352 6303587 6304558 6304563 6304786 6306155 6260830 6315572 6314437 6314341
6316780 6342800

- **120336-04 – SunOS 5.10_x86: Sun Update Connection Client Localization**
- **120347-09 – SunOS 5.10_x86: Common Fibre Channel HBA API and Host Bus Adapter Libraries**

6202863 6210435 6223854 6239116 6288908 6306254 6334772 6336260 6347707 6405584 6443728
6486601 6494611 6520054 6534722 6544955 6581388

- **120349-02 – SunOS 5.10_x86: Fibre Channel HBA Port utility**

6380685 6494611

- **120351-04 – SunOS 5.10_x86: Asian CCK locales patch**

6279310 6285930 6347707

- **121976-01 – CDE 1.6_x86: Xsession patch**

6354282

- **120411-28 – SunOS 5.10_x86: Internet/Intranet Input Method Framework patch**

6362324 6439551 6439552 6380740 6388754 6389513 6373635 6404462 6429880 6433315 6436040
6443828 6418820 6461075 6463540 6456236 6449856 6400652 6458335 6503085 6521711 6501702
6303084 6319383 6368739 6468167 6519571 6467756 6458025 6566160 6531459 6446303 6538703

6542344 6562940 6562961 6566886 6569015 6247847 6576877 6581558 6542765 6595672 6624656
6608345 6573815 6626316 6624207 6608251 6639480 6650596 6650386 6666065 6665218

- **120413-08 – SunOS 5.10_x86: Simplified Chinese locale patch**

6362324 6388988 6394129 6624652

- **120415-20 – SunOS 5.10_x86: Asian CCK locales patch**

4916340 5024604 6263482 6267785 6285934 6299102 6362324 6433155 6388988 6412046 6462957
6446836 6432120 6474087 6501702 6394129 6521643 6544785 6485369 6624653

- **120451-01 – SunOS 5.10_x86: Get netmask Utility Patch**

4218092

- **120455-02 – GNOME 2.6.0_x86: Gnome Apoc GConf Adapter Patch**

6281517 6397519

- **120457-01 – GNOME 2.6.0_x86: Gnome image viewer Patch**

6288517

- **120459-01 – GNOME 2.6.0_x86: Gnome configuration Patch**

6293945

- **120536-15 – SunOS 5.10_x86: Updated video drivers and fixes**

5079292 6190517 6251584 6252425 6276981 6277468 6290163 6290213 6299315 6311286 6311316
6311339 6315191 6317233 6317391 6321043 6321995 6326523 6333981 6334355 6337797 6337945
6334320 6340609 6342674 6342687 6343231 6372842 6358707 6387743 6387744 6392450 6398426
6398494 6405279 6408627 6416999 6456520 6471032 6532624 6535670

- **120544-11 – SunOS 5.10_x86: Apache 2 Patch**

6222168 6228840 6257414 6283480 6301799 6367565 6373222 6378495 6419373 6423037 6452767
6453503 6461151 6482942 6487586 6502023 6528378 6602665 6630259 6644749 6658525

- **120705-01 – SunOS 5.10_x86: smartcard man patch**

6310070

- **120720-02 – SunOS 5.10_x86 : SunFreeware gzip patch**

6283819 6294656 6454453 6470484

- **120733-01 – SunOS 5.10_x86: libusb patch**

5033202 6251518 6251836 6272172

- **120740-04 – GNOME 2.6.0_x86: GNOME PDF Viewer based on Xpdf**

6219093 6294547 6418897 6374946

- **120742-01 – SunOS 5.10_x86: seg_map header file patch**

6264443

- **120754-05 – SunOS 5.10_x86: Microtasking libraries (libmtsk) patch**

4640927 5105585 6176541 6224639 6266200 6281454 6284576 6292619 6308531 6315352 6347707
6321653 6337239 6352080 6358139 6364604 6383140 6406413 6420938 6452506 6465769 6510918
6513016 6518824 6525745

- **120771-01 – SunOS 5.10_x86: UDC patch**

6308547

- **120808-01 – SunOS 5.10_x86: rpc.mdcommd match**

6290815

- **120817-01 – SunOS 5.10_x86: at and batch patch**

6208425

- **120831-06 – SunOS 5.10_x86: vi and ex patch**

6208422 6219736 6219754 6320769 6320774 6320778 6320781 6320783 6409995 6459238 6481990
6491931 6510560

- **120874-06 – SunOS 5.10_x86: xscreensaver localization message patch**

6203951 6316915 6388099 6404846 6417480 6549999

- **120890-01 – SunOS 5.10_x86: librac patch**

6297767

- **120985-01 – SunOS 5.10_x86: nss_user.so.1 Patch**

6235336

- **120989-01 – SunOS 5.10_x86: grpck Patch**

6221968

- **120993-02 – SunOS 5.10_x86: nfs_clnt.h and nfs4_clnt.h Patch**

6266836 6282389

- **121005-03 – SunOS 5.10_x86: sh patch**

6277636 6388209 6471812

- **121013-02 – SunOS 5.10_x86: traceroute patch**

6238818 6290611 6290623 6291147 6291879 6298211 6298351

- **121037-02 – Gnome 2.6.0_x86: base libraries patch**

6215709 6627428

- **121082-06 – SunOS 5.10_x86: Connected Customer Agents 1.1.0**

6304558 6319108 6300369 6395708 6392682 6410428 6477281

- **121096-02 – GNOME 2.6.0_x86: GNOME EXIF tag parsing library for digital cameras**

6257383 6652301

- **121119-13 – SunOS 5.10_x86: Sun Update Connection System Client 1.0.10**

4985449 4986258 5002316 5022653 5023766 5029322 5031178 5066299 5075120 6236910 6238567
6241235 6242319 6253356 6266869 6273655 6276248 6282393 6283475 6285415 6286401 6290732
6301964 6302734 6303345 6303347 6304050 6304752 6304766 6305271 6305349 6309151 6311346
6311982 6315572 6316079 6316614 6316714 6317612 6318386 6320362 6326062 6326563 6327311
6327736 6327855 6328282 6329912 6330775 6331302 6331953 6334463 6334470 6335197 6336315
6336989 6337321 6337356 6340355 6340362 6341454 6350073 6350209 6350232 6354986 6355539
6355862 6356114 6356149 6358651 6359761 6360451 6360929 6361188 6361487 6362146 6362166
6362828 6362887 6363403 6363941 6364454 6364707 6366823 6367722 6370198 6372108 6372139
6372274 6372515 6372563 6373939 6373946 6374784 6376004 6377932 6378893 6381063 6381140
6381322 6382007 6382999 6383012 6383176 6383224 6383315 6383653 6384634 6385661 6385673
6386168 6386364 6389805 6390448 6391266 6393075 6395034 6395316 6395874 6398238 6398433
6399218 6401173 6401777 6402500 6404859 6404885 6406720 6407897 6407904 6408365 6408544
6408613 6409482 6410140 6410531 6410538 6410539 6410542 6410544 6410545 6411679 6414005
6414159 6414343 6414657 6416609 6418687 6425987 6426181 6427463 6427757 6429333 6429336
6429338 6429340 6429345 6429347 6430654 6431846 6431851 6433481 6433486 6433494 6434792
6436114 6437060 6437063 6437159 6439023 6440031 6440033 6444021 6448807 6448894 6449018
6453526 6455598 6455636 6455708 6456391 6460262 6461126 6469364 6469367 6469373 6471052
6471054 6478319 6478621 6479276 6481338 6484611 6484928 6488481 6491530 6491895 6504320
6504405 6507691 6508361 6508369 6508654 6508927 6508931 6509899 6510573 6511377 6511378
6511386 6537598 6503919 6426874 6450709 6465132 6517375 6520882 6525982 6513981 6546183
6551220 6571513 6571536 6578325 6578377 6578343 6580209 6584422 6585534

- **121129-01 – SunOS 5.10_x86: lofs patch**

5034470

- **121131-01 – SunOS 5.10_x86: librcm.so.1 patch**

5103374

- **121134-02 – SunOS 5.10_x86: power patch**

6326272 6398779 6402958 6404079 6405273 6414741 6417933

- **121297-01 – SunOS 5.10_x86: fgrep patch**

6295261

- **121300-03 – SunOS 5.10_x86: caplib patch**

6192995 6252754 6308710 6446353

- **121395-01 – SunOS 5.10_x86: aio_impl.h. patch**

4954646

- **121431-21 – SunOS 5.8_x86 5.9_x86 5.10_x86: Live Upgrade Patch**

4873203 4992478 5015838 5106987 6221561 6221609 6224940 6252385 6252388 6253700 6263351
6264796 6265069 6278345 6278352 6284550 6286969 6297948 6297950 6317386 6319706 6319769
6320330 6322850 6322867 6322962 6328587 6332091 6335531 6336069 6336160 6339728 6347732
6357186 6365289 6367766 6381089 6390111 6395264 6398112 6401599 6405123 6411522 6411937
6420644 6432846 6448114 6468979 6473085 6474504 6477349 6480573 6497684 6508829 6523497
6523534 6526238 6533887 6543062 6553162 6561786 6564964 6606935 6632846

- **121429-09 – SunOS 5.10_x86: Live Upgrade Zones Support Patch**

5015838 6221561 6242607 6264796 6381089 6400541 6516904 6555035 6562966 6568343

- **121488-02 – CDE 1.6_x86: dtmail patch**

6337697 6346618

- **121562-04 – SunOS 5.10_x86: keymap patch**

6277193 6361984 6362506 6366101 6381421 6452685

- **121571-04 – S10_x86: Patch for Australasia Region locale issues**

6249315 6338196 6318932 6346087 6280189 6395212 6316938 6484316

- **121572-06 – S10_x86: Patch for South Europe Region locale issues**

6249315 6338196 6336555 6318932 6375175 6403522 6346087 6280189 6395212 6316938 6484316
6608786

- **121604-02 – SunOS 5.10_x86: libcfgadm.so.1, scsi.so.1 patch**

6285828 6374522

- **121607-02 – GNOME 2.6.0_x86: Python patch**

6199942 6247860 6318436 6318475 6340077 6484954

- **121621-03 – SunOS 5.10_x86: Patch for mediaLib in Solaris**

6397621 6347707 6359985 6397145 6401721 6403330 6408945 6431261 6509428 6529757 6591899

- **121668-02 – SunOS 5.10_x86 : pilot-link header patch**

6321205 6334598

- **121670-01 – SunOS 5.10_x86: SunFreeware pilot-link man pages patch**

6321205

- **125288-02 – SunOS 5.10_x86: Japanese X locale update**

6501702 6521655 6601487 6409794

- **121676-11 – SunOS 5.10_x86: Japanese Input System ATOK patch**

6362324 6373667 6409794 6424740 6432726 6441936 6497081 6601483 6601487 6632743

- **121678-05 – SunOS 5.10_x86: Japanese Input System Wnn patch**

6362324 6443559 6427007 6396016 6396007 6459245 6623924

- **121805-03 – SunOS 5.10_x86: GRUB patch**

6256398 6297358 6362643 6372042 6454255

- **121871-01 – X11 6.6.2_x86: xterm patch**

6315492

- **121924-01 – Gnome 2.6.0_x86: GNOME CD Burner patch**

6210267

- **121954-02 – SunOS 5.10_x86: Localization patch for new EMEA FIGGS locales**

6321422 6388015

- **121978-03 – CDE 1.6_x86: dtlogin resources patch**

6309633 6386254 6537603 6537588

- **122006-01 – SunOS 5.10_x86: SunFreeware growisofs man page**

6346516

- **122010-01 – SunOS 5.10_x86: SunFreeware cdrtools patch**

6251877 6318184

- **122012-01 – SunOS 5.10_x86: SunFreeware cdrtools man pages patch**

6251877 6318184

- **122078-03 – SunOS 5.10_x86: NIS yp utilities patch**

6203874 6254605 6261290 6316946 6332906

- **122084-02 – SunOS 5.10_x86: fsck mirrored patch**

5044015 6273536 6331370

- **122086-01 – SunOS 5.10_x86: nispasswd patch**

6225117

- **122120-05 – SunOS 5.10_x86: Patch for Arabic Fonts**

6346091 6377955 6380993 6403522 6458616

- **122131-03 – S10_x86: Patch to update SUNWlocaledefsrc files**

6345525 6432211 6316938 6484316 6435355 6505106

- **122175-03 – SunOS 5.10_x86: dumpadm patch**

6194015 6338653 6421970

- **122205-02 – GNOME 2.6.0_x86: configuration framework patch**

6310437 6502229

- **122209-01 – GNOME 2.6.0_x86: Removable Media Patch**

6207027

- **122211-01 – GNOME 2.6.0_x86: GNOME Media Player Patch**

6370445

- **122240-01 – SunOS 5.10_x86: Apache 2 mod_perl Perl cgi patch**

6289386

- **122248-01 – SunOS 5.10_x86: patch clmb**

4670406 4855218 6203470 6209502 6275431 6300267 6326547 6335611 6340778

- **122260-01 – SunOS 5.10_x86: SunFreeware gnu esp ghostscript patch**

6333285 6343050 6360710 6360803

- **122262-01 – SunOS 5.10_x86: SunFreeware ghostscript man pages patch**

6333285 6343050 6360710 6360803

- **122365-01 – SunOS 5.10_x86: bscbus, bscv driver patch**

6332605

- **122409-01 – SunOS 5.10_x86: libmtmalloc patch**

6217567

- **122419-01 – SunOS 5.10_x86: Fix Garbled Message Issues for Ru**

- 6363262
- **122423-03 – SunOS 5.10_x86: add missing locale files for Mozilla**
- 6387991 6403436 6419527 6418839
- **122425-01 – SunOS 5.10_x86: Mozilla default bookmarks patch**
- 6412687
- **122471-02 – Gnome 2.6.0_x86: GNOME Java Help Patch**
- 6364981 6434498
- **122488-05 – SunOS 5.10_x86: Patch for Middle Eastern Region locale issue**
- 6380993 6403522 6395212 6316938 6484316 6565869
- **122522-01 – SunOS 5.10_x86: locator patch**
- 6332630 6342066 6347537
- **122655-05 – SunOS 5.10_x86: jumpstart and live upgrade compliance patch**
- 6331284 6372009 6433495
- **122670-01 – Evolution 1.4.6_x86: Cryptographic Library patch**
- 6316976
- **122676-01 – SunOS 5.10_x86: SunFreeware samba man pages patch**
- 4768591 6174211 6332751 6344828 6362017 6379618
- **122736-01 – CDE 1.6_x86: backdrops patch**
- 6385021
- **122748-01 – SunOS 5.10_x86: gda patch**
- 6326981
- **122755-01 – SunOS 5.10_x86: libexacct.so.1 fma patch**
- 6328144
- **122762-01 – SunOS 5.10_x86: Sun Update Connection Bootstrapper**
- 6390372 6323830 6350505
- **122829-02 – SunOS 5.10_x86: lsimega driver patch**
- 6310845 6310846 6310847 6317422 6409215
- **122861-05 – SunOS 5.10_x86: SCN Update Manager localization patch**

6407430 6453773 6460262 6542867 6543402

- **122912-10 – SunOS 5.10_x86: Apache 1.3 Patch**

6298425 6308127 6325738 6423033 6452767 6501938 6502023 6505934 6528378 6540271 6550227
6590411 6602661

- **122959-04 – GNOME 2.6.0_x86: RealPlayer media application**

6382797 6383322 6383359 6383367 6377814 6450213 6385870 6595170 6595679

- **123004-03 – SunOS 5.10_x86: SAM module patch**

6509847 6316308 6417985 6444027 6444779 6445882

- **124187-07 – SunOS 5.10_x86: SCN Base cacao module patch**

6460977 6469551 6485617 6515667 6527874 6610979

- **123631-03 – SunOS 5.10_x86: HTTP proxy settings patch**

6428301 6431004 6431011 6431282 6434415 6437572 6610979 6632395

- **123006-07 – SunOS 5.10_x86: Basic Registration Update**

6302968 6316245 6334932 6367975 6398507 6399623 6399760 6428301 6434413 6437572 6440989
6444883 6448823 6448995 6449413 6449808 6450286 6452877 6462733 6468537 6480357 6610979
6442372 6617306 6629346 6632395

- **123012-01 – SunOS 5.10_x86: BR desktop icon patch**

6398507

- **123016-01 – SunOS 5.10_x86: ps patch**

6284623

- **123122-02 – SunOS 5.10_x86: usr/lib/libwsreg.so.1 Patch**

6415472 6426965

- **123133-01 – SunOS 5.10_x86: more patch**

4268038

- **123163-02 – GNOME 2.6.0_x86: Gnome Java Run Time Patch**

6226929 6411153

- **123195-01 – SunOS 5.10_x86: cron patch**

6270017

- **123323-01 – SunOS 5.10_x86: pwconv patch**

6379530

- **123327-01 – SunOS 5.10_x86: tail patch**

6354078

- **123329-01 – SunOS 5.10_x86: expr patch**

6354064

- **123333-01 – SunOS 5.10_x86: tftp and in.tftpd patch**

6301318

- **123407-02 – SunOS 5.10_x86: svc-zones patch**

6366674 6402848 6464209 6464301 6636515

- **123495-04 – X11 6.6.2_x86: fontconfig patch**

6355580 6405629 6477134 6447517

- **123521-01 – SunOS 5.10_x86: dirname & basename patch**

6210677

- **123527-01 – SunOS 5.10_x86: libcurses patch**

4503183 5027709 5089079

- **123591-08 – SunOS 5.10_x86: PostgreSQL patch**

6429619 6452302 6511000 6520656 6539158 6539196 6540256 6546373 6574590 6574857 6606176
6614604 6643743 6583234

- **123614-01 – X11 6.6.2_x86: OpenGL patch**

6377618

- **123648-02 – SunOS 5.10_x86: gcc patch**

6220191 6241292 6603583 6651861

- **123662-04 – SunOS 5.10_x86: Basic Registration Localization**

6442747 6442794 6453942 6451466

- **123896-04 – SunOS 5.9_x86 5.10_x86: Common Agent Container (cacao) runtime 2.1 upgrade patch 04**

6280032 6283710 6337616 6339748 6344715 6345608 6347540 6348540 6355795 6369806 6370572
6379150 6384513 6395715 6403788 6405728 6410164 6414544 6421891 6426278 6426615 6436145
6437886 6441536 6442702 6524977 6526343 6556883 6569255

- **123913-01 – SunOS 5.10_x86: ppriv patch**
6186472 6394554 6399963 6402114 6403267
- **123939-01 – GNOME 2.6.0_x86: GNU Transport Layer Security Library Patch**
6473089
- **124154-02 – SunOS 5.10_x86: Solaris Management Applications Localization patch**
6465514 6635796 6635808
- **124180-01 – SunOS 5.10_x86: Sun Update Connection Bootstrapper Localization**
6465268
- **124238-01 – SunOS 5.10_x86: ftp patch**
6319844
- **124326-01 – SunOS 5.10_x86: rcm modules patch**
4659930
- **124364-01 – SunOS 5.10_x86: /usr/bin/stardict patch**
6465248
- **124396-01 – CDE 1.6_x86: dtaction patch**
6405981
- **124398-02 – CDE 1.6_x86: libDtWidget patch**
6489090 6502114
- **124400-01 – CDE 1.6_x86: dtfile patch**
6405981
- **124402-01 – CDE 1.6_x86: dtpad patch**
6405981
- **124404-01 – CDE 1.6_x86: dtstyle patch**
6405981
- **124406-01 – CDE 1.6_x86: sdtfprop patch**
6405981
- **124445-01 – SunOS 5.10_x86: mountd patch**

4613875

- **124458-01 – X11 6.6.2_x86: xdm patch**

6388471 6423858 6398796

- **124631-16 – SunOS 5.10_x86: System Administration Applications, Network, and Core Libraries Patch**

5110062 6242499 6264796 6272742 6293738 6342179 6386531 6395264 6399228 6402258 6411706
6429460 6438773 6439322 6445230 6451634 6459254 6476699 6481557 6489022 6489035 6493882
6500334 6517303 6517679 6520994 6526491 6545660 6549601 6553162 6564350 6576150 6627122

- **124925-01 – SunOS 5.10_x86: vold patch**

6435055

- **124939-03 – SunOS 5.10 5.10_x86: JDMK 5.1 patch**

4703798 4704415 4850779 4984695 5057532 5065264 5066653 5079479 6174229 6183128 6192124
6199899 6238234 6239400 6286631 6298662 6305089 6313432 6318653 6353661 6354426 6409684
6454450 6496038 6215610 6227678 6295821 6335967 4997225 6195791 5051899 6273684 4960301
5044821 5066835 5072890

- **124944-01 – SunOS 5.10_x86: SunFreeware gzip man pages patch**

6454453 6470484

- **124998-01 – SunOS 5.10_x86: /usr/bin/tip patch**

4706048

- **125023-01 – SunOS 5.10_x86: usr/sbin/sar patch**

6298631

- **125046-01 – X11 6.6.2_x86: Xft patch**

6261221

- **125076-01 – SunOS 5.10_x86: svc-volfs patch**

6377400

- **125165-10 – SunOS 5.10_x86: Qlogic ISP Fibre Channel Device Driver**

4647659 6305710 6388297 6451795 6458324 6458996 6468823 6472115 6491276 6495756 6520427
6524549 6535465 6536963 6539575 6540376 6544750 6552241 6554062 6556742 6557107 6565329
6565491 6565963 6570892 6604467 6604993 6606974 6611104 6611264 6617216 6626169 6628808
6637286 6640974 6644627 6657836 6660548

- **125168-01 – SunOS 5.10_x86: gssd patch**

6253622

- **125173-01 – SunOS 5.10_x86: llc2 patch**

6433791 6466066

- **125175-02 – SunOS 5.10_x86: tl driver patch**

6452679 6460268

- **125185-05 – SunOS 5.10_x86: Sun Fibre Channel Device Drivers**

6335574 6389200 6401604 6460562 6461752 6463248 6478332 6485282 6500300 6500633 6517026
6518348 6526457 6527334 6532746 6558400 6574680 6584034

- **125212-01 – SunOS 5.10_x86: SunFreeware zlib patch**

6464983

- **125214-02 – SunOS 5.10_x86: SunFreeware zlib man pages patch**

6464983 6522852

- **125216-02 – SunOS 5.10_x86: SunFreeware wget patch**

6215177 6542839

- **125218-01 – SunOS 5.10_x86: SunFreeware wget man pages patch**

6215177

- **125280-05 – CDE1.6_x86: dtsession patch**

6494012 6547678 6556383 6597071 6626788

- **125282-02 – CDE 1.6_x86: sdtimage patch**

6483532

- **125286-03 – SunOS 5.10_x86: Japanese font patch**

6462327 6526947 6601518

- **125294-03 – SunOS 5.10_x86: Japanese iconv patch**

6461920 6461923 6534195 6545843 6637653

- **125333-02 – JDS 3_x86: Macromedia Flash Player Plugin Patch**

6491186 6555685

- **125365-02 – SunOS 5.10_x86: adpu320 driver patch**

4947776 5034916 6413268 6417552 6539264

- **125389-01 – SunOS 5.10_x86: SNIA Multipath Management API and Multipathing Utilities**

6468489

- **125475-01 – X11 6.8.0_x86: Xorg client libraries patch**

6424870

- **125500-01 – SunOS 5.10_x86: chmod chown Patch**

4171523

- **125532-02 – Gnome 2.6.0_x86: File System Examiner Patch**

6444322 6615540

- **125534-06 – Gnome 2.6.0_x86: Trusted Extension Runtime Patch**

6515776 6484418 6520725 6487689 6504459 6499185 6495454 6487704 6487643 6488675 6534384
6534359 6549569 6552691 6547303 6549616 6549621 6569991 6569782 6547342 6588919 6533296
6550104 6573285 6584062 6571722 6574943 6641293 6648718 6649549 6603746 6599865

- **125538-01 – GNOME 2.6.0_x86: GNOME post script viewer**

6551964

- **125540-03 – Mozilla 1.7_x86: Mozilla Firefox Web browser**

6582544 6619093 6644698

- **125542-02 – Mozilla 1.7_x86: Mozilla Thunderbird email client**

6582544 6644698

- **125544-02 – GNOME 2.6.0_x86: GNOME panel applets**

4951406 6577129

- **125546-01 – GNOME 2.6.0_x86: GNOME Performance Meter**

6557071

- **125550-01 – SunOS 5.10_x86: logins patch**

5003383 6290721 6294509

- **125552-01 – SunOS 5.10_x86: librestart patch**

5079397

- **125720-20 – X11 6.8.0_x86: Xorg server patch**

6198604 6202893 6205248 6206898 6207005 6210823 6212502 6219169 6219349 6221637 6221655
6227475 6227952 6241320 6243535 6245381 6245431 6251042 6251506 6252544 6264498 6275666
6277477 6278337 6279968 6303855 6306884 6306888 6306926 6307303 6311410 6313676 6315321
6316438 6317645 6318879 6318900 6321613 6326551 6335783 6338085 6339315 6340188 6348263
6358930 6366603 6370138 6370961 6372113 6376708 6377194 6377618 6377982 6379980 6385111
6395892 6396593 6397125 6398094 6398409 6399227 6406044 6408141 6416841 6419340 6420309
6420311 6420320 6420892 6421514 6423278 6464170 6464172 6465806 6488392 6489660 6504408
6526192 6526933 6530074 6531243 6531742 6533650 6534189 6535006 6535518 6535741 6535851
6536008 6536127 6537521 6538282 6538286 6538402 6539225 6540484 6541018 6542757 6546692
6547110 6551682 6553135 6553619 6554441 6556115 6559079 6559114 6560332 6560568 6563653
6568258 6579866 6533895 6536092 6580970 6582847 6594444 6607872 6589829 6627712 6628854
6351300 6635727 6635732 6635740 6635721 6640505 6636174 6599749 6642762 6646626 6623734
6554541 6278039 6660115 6551083 6471196 6618220

- **125726-02 – X11 6.6.2_x86: xinerama patch**

6489136 6550481 6551520

- **125732-02 – SunOS 5.10_x86: XML and XSLT libraries patch**

6193876 6418670 6570772 6622037 6642649

- **125895-01 – SunOS 5.10_x86: cut patch**

6449809

- **125901-01 – SunOS 5.10_x86: audiohd patch**

6433485 6450140 6488074 6490277 6494395 6501554 6504855 6510766 6521109 6543816 6543817
6543819 6544595 6546221 6559629

- **125906-01 – SunOS 5.10_x86: keytables patch**

6521752

- **125907-01 – SunOS 5.10_x86: pcn driver patch**

6230653 6430805 6516072

- **125953-04 – Sun Java Web Console 3.0.2_x86: Support for Application Server 8.2 EE**

6516483 6486816 6491335 6496980 6498276 6498951 6505096 6514835 6515895 6515930 6519616
6521511 6529094 6519423 6527115 6531703 6526812 6534701 6540441 6515994 6534421 6534399
6563091 6563667

- **126118-02 – CDE 1.6_x86: DtPower patch**

6341099 6230473

- **126120-01 – CDE 1.6_x86: sys-suspend patch**

6395883

- **126134-02 – SunOS 5.10_x86: sshd Patch**

6432083 6460128 6509089 6527064 6552966

- **126207-04 – SunOS 5.10_x86: zebra ripd quagga patch**

6268590 6268595 6524504 6553389 6554276 6578890 6606039 6607647 6610223 6610228

- **126261-01 – SunOS 5.10_x86: logadm patch**

4824041 5107935 6369440 6448850 6497726

- **126263-01 – SunOS 5.10_x86: prctl patch**

6201729

- **127128-11 – SunOS 5.10_x86: kernel patch**

4144591 4170577 4200341 4231043 4299193 4327963 4331220 4470602 4520634 4634017 4654814
 4691624 4705526 4706595 4721729 4726116 4766208 4773220 4822287 4852369 4854431 4868863
 4875636 4920408 4926742 4941143 4944187 4984023 4994469 5008950 5034117 5050137 5051246
 5068505 5073041 5076574 5076585 5088665 5100134 6174735 6183314 6188861 6189209 6193414
 6193587 6194864 6195428 6196513 6199119 6203833 6204434 6207400 6207818 6208921 6211857
 6212301 6214493 6215509 6215816 6217375 6218500 6219223 6220312 6220814 6221296 6222114
 6222297 6222334 6222467 6222906 6222929 6223931 6224704 6225464 6225779 6226297 6231403
 6231897 6234782 6234932 6235070 6236627 6236968 6237338 6237582 6239271 6241243 6241251
 6241264 6242768 6242789 6242993 6243099 6243574 6246102 6246115 6246967 6248515 6248701
 6249682 6250268 6251822 6252216 6252894 6254159 6259944 6260520 6262344 6262680 6263122
 6264344 6264514 6264775 6268829 6271231 6271235 6271754 6274840 6275400 6275641 6276074
 6276483 6276770 6278388 6278709 6280029 6280644 6281386 6281864 6285582 6286167 6287034
 6289186 6290693 6291368 6292092 6292709 6292874 6293320 6293493 6294710 6294758 6296143
 6296612 6296903 6297628 6299080 6303165 6303365 6303768 6306708 6309250 6311428 6312101
 6314007 6314953 6317227 6317341 6317677 6317991 6320326 6320368 6320374 6323244 6324927
 6327235 6328321 6330182 6331128 6331216 6332476 6335616 6337408 6339235 6339802 6340684
 6343604 6343698 6344030 6345158 6345493 6346505 6348298 6348308 6348554 6351671 6351793
 6354746 6355094 6355096 6355106 6355623 6356282 6358047 6358066 6359452 6359546 6361020
 6361241 6362366 6362413 6363519 6363872 6364866 6365221 6366878 6367849 6368089 6368332
 6368812 6370615 6371252 6371257 6372169 6372587 6373368 6377862 6378200 6378671 6380111
 6380193 6380982 6381712 6386233 6386365 6388077 6388132 6388600 6388708 6390413 6391405
 6392121 6393769 6394510 6394527 6395425 6396043 6396445 6396614 6397779 6397860 6398068
 6398097 6398111 6399903 6400119 6400920 6400982 6401058 6401645 6401917 6402328 6402556
 6402611 6403168 6403208 6404003 6405992 6406198 6406993 6407822 6408660 6409022 6409418
 6409856 6409884 6410330 6410385 6410536 6410719 6410987 6411336 6413031 6413702 6415231
 6415578 6415909 6416922 6418521 6419764 6421340 6422928 6425184 6425194 6426085 6426973
 6428449 6428658 6430355 6430773 6430878 6430966 6432114 6433123 6433124 6433438 6434946
 6435512 6436297 6436449 6437354 6437543 6438076 6439960 6440682 6442215 6442422 6442526
 6443044 6443106 6443139 6443855 6445808 6446083 6446158 6446494 6447961 6448006 6448544
 6449192 6449195 6449207 6449436 6449532 6449567 6449836 6450494 6450539 6451134 6452685
 6452822 6454036 6454630 6455548 6455727 6455749 6456223 6457722 6457723 6457857 6457866
 6458110 6458258 6458639 6459412 6459470 6459489 6460173 6460287 6461867 6462265 6462690

6462751	6462780	6462782	6462816	6463419	6464106	6464161	6464284	6464843	6465359	6466149
6466370	6467218	6467588	6467859	6468144	6468753	6469395	6469553	6469980	6470189	6472192
6472682	6473039	6473274	6473508	6474029	6474978	6475380	6475878	6476279	6476400	6476772
6476982	6477688	6477713	6477808	6478031	6478257	6478436	6479152	6479452	6479819	6479848
6479921	6479968	6479998	6480294	6480448	6480891	6481609	6482459	6482731	6483054	6483528
6483684	6483747	6484766	6484879	6485154	6486273	6486759	6486772	6486967	6487898	6488114
6488443	6489144	6489536	6489740	6490108	6490114	6490453	6490623	6491129	6491350	6491717
6491754	6491792	6491804	6491971	6491978	6492045	6492246	6492317	6492414	6492937	6493063
6493074	6493158	6493689	6494228	6494678	6494805	6494834	6495271	6495303	6495392	6495401
6495918	6496124	6496710	6496719	6496941	6497055	6497289	6497703	6498304	6498366	6498368
6498799	6498936	6498937	6499339	6499500	6500134	6500183	6500850	6501187	6501533	6501667
6501793	6502181	6502231	6502249	6502485	6502578	6502755	6502757	6502814	6503211	6503394
6503395	6504327	6504776	6505228	6505251	6505607	6506176	6506181	6507293	6507344	6507372
6507422	6507472	6507659	6508442	6508590	6508809	6510052	6510054	6510056	6510396	6510425
6510640	6510878	6511021	6511472	6511955	6512188	6512756	6512841	6513084	6513209	6513446
6513610	6513658	6513817	6514060	6514387	6515558	6516159	6516892	6516954	6517033	6517335
6518015	6518277	6518283	6518395	6518672	6519009	6519396	6519494	6519579	6519970	6520079
6520280	6520554	6520862	6521578	6521579	6521582	6521586	6521591	6521594	6521600	6521608
6521624	6521939	6521984	6522339	6522643	6523336	6523456	6523684	6523815	6523887	6524011
6524100	6524404	6525102	6525116	6525121	6525123	6525527	6525558	6525871	6526159	6526408
6526418	6527491	6527515	6527696	6527759	6527781	6528027	6528189	6528391	6528737	6528905
6529061	6529479	6529794	6529883	6530148	6530223	6530536	6530592	6530616	6530654	6530678
6530757	6531069	6531269	6531423	6531673	6531684	6531842	6532076	6532164	6532208	6532588
6532593	6532872	6532924	6533113	6533118	6533126	6533634	6533743	6533773	6533810	6533813
6533833	6533900	6534008	6534608	6534610	6534615	6534935	6534968	6535028	6535160	6535217
6535620	6535669	6535980	6536058	6536151	6536478	6536482	6536532	6537251	6537305	6537307
6537509	6537759	6537762	6538627	6538725	6538758	6538881	6539128	6539184	6539524	6539545
6539602	6539787	6539802	6539878	6539890	6539897	6539930	6540209	6540436	6540535	6540634
6540759	6541095	6541615	6541750	6541786	6541848	6542241	6542435	6542578	6542609	6542759
6542909	6543221	6543897	6544121	6544140	6544174	6544226	6544484	6544575	6544686	6544691
6544737	6544740	6544741	6544956	6545057	6545198	6545568	6545604	6545632	6545662	6545681
6545740	6546036	6546164	6546188	6546465	6546475	6546482	6546498	6546511	6546528	6546543
6546661	6546662	6546683	6547084	6547159	6547176	6547200	6547235	6547427	6547695	6548176
6548245	6548279	6548867	6549126	6549634	6549922	6550352	6550585	6550591	6550646	6550650
6550695	6550830	6550832	6550849	6550904	6550982	6551035	6551253	6551356	6551464	6551466
6551509	6551627	6551884	6551951	6552207	6552234	6552251	6552253	6552599	6552853	6553056
6553517	6553898	6554029	6554353	6554450	6554459	6554471	6554499	6554556	6554648	6554681
6554738	6554813	6554976	6555028	6555057	6555108	6555239	6555243	6555258	6555261	6555368
6555463	6555620	6555642	6555845	6555870	6555971	6556056	6556067	6556134	6556410	6556577
6556794	6556795	6556832	6556852	6556853	6556890	6556906	6556989	6557005	6557021	6557158
6557332	6557371	6557395	6557471	6557684	6557767	6557824	6557833	6558280	6558331	6558383
6558449	6558456	6558487	6558692	6558736	6558878	6558936	6558942	6558947	6558981	6559294
6559330	6559336	6559504	6559678	6559712	6560113	6560317	6560371	6560684	6560821	6561300
6561392	6561445	6561880	6561987	6562046	6562202	6562292	6562470	6562537	6562625	6562771
6562946	6563180	6563686	6563696	6564048	6564140	6564144	6564290	6564677	6564714	6564718
6564842	6564934	6564956	6565044	6565142	6565168	6565347	6565574	6565846	6565934	6566019
6566028	6566044	6566097	6566235	6566239	6566354	6566457	6566710	6566815	6567031	6567055
6567218	6567332	6567634	6567838	6568352	6568417	6568476	6568745	6568863	6569424	6569444

6569719 6569931 6570016 6570225 6570231 6570271 6570293 6570434 6570682 6571080 6571223
 6571370 6571564 6572295 6572623 6572672 6572719 6572760 6573019 6573175 6573361 6573375
 6573381 6573600 6574102 6574267 6575030 6575117 6575192 6575452 6575990 6576808 6577125
 6577127 6577156 6577279 6577453 6577473 6577516 6577595 6577639 6577948 6577995 6578427
 6578483 6578581 6578997 6579032 6579042 6579171 6579256 6579605 6579855 6581368 6581552
 6581978 6582037 6582448 6582507 6583174 6583268 6583303 6583594 6583738 6584200 6584239
 6584379 6584668 6584901 6585189 6585265 6585659 6586050 6586286 6586414 6586422 6586580
 6586617 6587024 6587133 6587396 6587471 6587576 6587723 6587791 6588026 6588054 6588161
 6588204 6588278 6588386 6588452 6589066 6589155 6589306 6589362 6589662 6589799 6590291
 6590340 6590401 6590748 6591195 6591680 6591788 6591817 6591891 6591973 6592238 6592268
 6592943 6592959 6593052 6593274 6593733 6593891 6593908 6594025 6594536 6594578 6594889
 6594969 6595101 6595197 6595654 6595668 6596123 6596141 6596239 6596320 6596325 6596850
 6597002 6597303 6597711 6597851 6598279 6598427 6598545 6598910 6598913 6599061 6599099
 6599100 6599105 6599124 6599537 6599547 6599934 6599950 6600077 6600176 6600334 6601271
 6601498 6601767 6601832 6602070 6602208 6602294 6602323 6602538 6602575 6602698 6602806
 6603165 6603261 6603643 6604040 6604462 6605212 6605701 6605707 6605975 6606361 6606619
 6606627 6606981 6607149 6607626 6607637 6607643 6607874 6607946 6607995 6608351 6608620
 6608691 6608977 6609144 6609526 6609869 6610046 6610117 6610415 6610789 6611211 6611921
 6612299 6612334 6612761 6612782 6612821 6612914 6613175 6613189 6613314 6613514 6614078
 6614449 6614856 6614966 6615584 6616180 6616222 6616435 6616600 6616610 6616749 6616982
 6617132 6617336 6617437 6617448 6617465 6617555 6617844 6617959 6618414 6618868 6618954
 6619031 6619911 6619947 6620275 6620285 6620345 6620393 6620843 6620864 6620868 6620907
 6620917 6620921 6620927 6620943 6620982 6621202 6621289 6621380 6621520 6622756 6622757
 6622823 6623037 6623776 6623870 6624293 6624361 6624546 6625536 6626071 6626104 6626457
 6627055 6627188 6627226 6627354 6627804 6627976 6628101 6628163 6628254 6628289 6630091
 6630293 6631113 6631406 6631732 6632938 6633535 6633932 6633943 6634002 6634070 6634315
 6634417 6634790 6635774 6636222 6636324 6636513 6636727 6636880 6637018 6637030 6637460
 6637615 6637823 6638155 6638173 6638468 6638601 6639770 6639871 6640339 6641084 6641469
 6642169 6642234 6642582 6642885 6644586 6644742 6644829 6644848 6644868 6647403 6647644
 6648091 6650203 6654985 6656449 6657109 6657170 6657729 6657786 6660081 6660544 6661003
 6669674 6669798

- **126269-01 – SunOS 5.10_x86: This patch corrects deletes in SUNWtsg and SUNWtsu in 127128-05**

6634315

- **126364-04 – SunOS 5.10_x86: X Window System changes - Solaris Trusted Extensions**

6481697 6499786 6505706 6486416 6526120 6540571 6575597 6604583 6583888 6554807 6627898
 6586710 6584054 6630643 6633503

- **126366-06 – SunOS 5.10_x86: CDE Desktop changes - Solaris Trusted Extensions**

6363278 6395845 6433584 6451691 6465966 6467055 6472270 6487195 6504080 6535584 6535882
 6550677 6552669 6550983 6593992 6622051 6608207 6470188 6569010 6564859 6626727 6649183
 6661542

- **126426-01 – SunOS 5.10_x86: fsckall patch**

6431414

- **126431-01 – SunOS 5.10_x86: libcurses patch**

6494168

- **126441-01 – SunOS 5.10_x86: rm patch**

6296436 6399959 6479906

- **126443-01 – SunOS 5.10_x86: ac97.h and audioixp.h patch**

6301905 6444365 6469613

- **126529-01 – SunOS 5.10_x86: SNIA Multipath Management API Libraries and scsi_vhci driver**

6514145

- **126541-02 – SunOS 5.10_x86: libumem library patch**

6308756 6317793 6341280 6385367 6410523 6533110

- **126543-02 – SunOS 5.10_x86: snmpdx and mibiisa patch**

6227115 6228341 6275006 6277029 6411493 6419923 6533826

- **126545-01 – SunOS 5.10_x86: snmpdx manifest patch**

6461434

- **126547-01 – SunOS 5.10_x86: Bash patch**

6231865

- **126586-02 – SunOS 5.10_x86: auto_ef patch**

6531900 6533747 6533757 6547913

- **126631-02 – SunOS 5.10_x86: tcsh patch**

6513408 6593766

- **126650-01 – SunOS 5.10_x86: sulogin patch**

6189407

- **126654-01 – SunOS 5.10_x86: md patch**

6322048

- **126656-01 – SunOS 5.10_x86: poll driver patch**

6422458

- **126658-01 – SunOS 5.10_x86: timex patch**

6451790 6524847

- **126739-02 – S10_x86: Patch for European Region TJDS messages**

6482943 6492997 6507541 6570643

- **126741-02 – SunOS 5.10_x86: Patch for Asian Region TJDS messages**

6482943 6492997 6507541 6570643

- **126743-01 – S10_x86: Patch for Japanese TJDS messages**

6482943 6492997 6507541

- **126869-02 – SunOS 5.10_x86: SunFreeware bzip2 patch**

6265205 6353235 6578725 6578738

- **127542-01 – X11 6.8.0_x86: xman patch**

6504978

- **127639-01 – CDE 1.4_x86: dtterm patch**

6554559

- **127725-01 – SunOS 5.10_x86: xntpd patch**

6476729

- **127727-01 – SunOS 5.10_x86: getent patch**

6490974

- **127738-01 – SunOS 5.10_x86: fifofs patch**

6525463

- **127754-01 – SunOS 5.10_x86: pcicfg Patch**

6561320

- **127760-01 – SunOS 5.10_x86: sar -c incorrectly reports averages due to 32bit truncation Patch**

6521106

- **127764-01 – SunOS 5.10_x86: Label daemon cores upon file moves in libtsol Patch**

6547464

- **127785-01 – SunOS 5.10_x86: SunFreeware bzip2 man pages patch**

6353235 6578725 6578738

- **127854-01 – SunOS 5.10_x86: sad driver patch**

6551461

- **127867-02 – SunOS 5.10_x86: ufs patch**

6249442 6519314

- **127869-01 – SunOS 5.10_x86: mv patch**

6493712

- **127873-01 – SunOS 5.10_x86: usr/bin/mailx patch**

6460901

- **127879-01 – SunOS 5.10_x86: usr/bin/du patch**

6575513

- **127883-02 – SunOS 5.10_x86: sendmail and mail(1) patch**

6258349 6419990 6476317 6563321 6568603

- **127885-01 – SunOS 5.10_x86: awk patch**

5074811 6195584 6320514 6368966 6536154

- **127889-06 – SunOS 5.10_x86: ipf patch**

6231883 6354418 6528018 6528419 6528552 6531894 6532393 6552365 6561278 6564748 6575084
6599516 6603271 6653172

- **127891-02 – SunOS 5.10_x86:**

6574207 6583842

- **127915-01 – SunOS 5.10_x86: lofiadm patch**

6469348

- **127923-03 – SunOS 5.10_x86: cpio Patch**

4163620 6500984 6533999

- **127960-01 – SunOS 5.10_x86: rpcsec patch**

6554841 6591024

- **127965-04 – SunOS 5.10_x86: UFS utilities patch**

1260290 4215923 4471706 4775289 4836779 4845221 4857410 4872089 4890510 5086715 6175186
6184783 6208131 6240363 6245090 6264883 6284968 6303398 6312941 6312946 6312949 6312954
6335370 6338653 6352196 6365138 6367777 6367948 6389488 6421216 6427134 6431006 6433679

6438911 6446463 6457647 6477410 6498206 6507293 6532475 6542641 6547966 6577707

- **127971-01 – SunOS 5.10_x86: find patch**
6513046
- **127975-01 – SunOS 5.10_x86: in.routed patch**
6498249
- **127977-04 – SunOS 5.10_x86: in.mpathd Patch**
6397456 6452686 6532784 6557708
- **127981-01 – SunOS 5.10_x86: KMF Patch**
6542973 6547594 6547853
- **127995-01 – SunOS 5.10_x86: xargs patch**
6203159 6323628 6459214
- **127999-01 – SunOS 5.10_x86: kssladm patch**
6512691
- **128001-01 – SunOS 5.10_x86: in.ftpd patch**
5073203 6239487 6497773 6501388 6514700
- **128005-01 – SunOS 5.10_x86:**
6281341
- **128007-04 – SunOS 5.10_x86: usbsksp Patch**
6458404 6624375 6634632 6665726
- **128009-01 – SunOS 5.10_x86: libaio.so.1 patch**
6497333 6580356
- **128293-01 – SunOS 5.10_x86: rsm Patch**
6564175
- **128295-02 – SunOS 5.10_x86: rpcmod patch**
4728034 4859528 6530310 6545828
- **128297-01 – SunOS 5.10_x86: pcfs patch**
6217236 6351785 6364444 6442904 6467209
- **128301-03 – SunOS 5.10_x86: zoneinfo patch**

6226357 6348147 6380398 6440139 6497364 6512648 6542933 6597032 6606060 6636785 6645893

- **128303-02 – SunOS 5.10_x86: libpicldevtree patch**

4865670 6243759 6438074 6526169 6526814 6531453 6534449 6542621 6548762 6571242 6592150
6594328

- **128305-03 – SunOS 5.10_x86: ehci and scsa2usb patch**

6555956 6571758 6575701 6635751

- **128307-03 – SunOS 5.10_x86: devfs patch**

6338586 6428337 6526639 6661245

- **128309-02 – SunOS 5.10_x86: Broadcom NetXtreme II 5708S driver patch**

6377378 6583753 6630048

- **128311-01 – SunOS 5.10_x86: hsfcs patch**

6489267

- **128319-01 – SunOS 5.10_x86: ssh-keygen patch**

6448031

- **128323-01 – SunOS 5.10_x86: dhcpagent patch**

6396937 6514851 6524645 6525108 6528047 6541139 6541633 6544439 6556196 6564306 6607154

- **128325-02 – SunOS 5.10_x86: ixgb patch**

6341836 6487956 6510988 6512004 6551317 6561420 6575448 6578630

- **128327-01 – SunOS 5.10_x86: sip patch**

6461142 6480199 6481951 6484530 6503334 6577343 6583537

- **128329-01 – SunOS 5.10_x86: usbms patch**

6584571

- **128331-01 – SunOS 5.10_x86: pax patch**

6300407 6324879 6383586 6598412

- **128333-01 – SunOS 5.10_x86: conskbd patch**

6610208

- **128335-01 – SunOS 5.10_x86: ibd patch**

6389119

- **128338-01 – SunOS 5.10_x86: aac patch**

6446136 6446320 6468539 6468540 6468541 6471659 6471786 6474655 6487073 6541796 6542710
6547699 6555223 6579800 6580289 6580380 6594114

- **128339-01 – SunOS 5.10_x86: biosint patch**

6641168

- **128341-01 – SunOS 5.10_x86: in.iked patch**

6608507 6620028

- **128343-01 – SunOS 5.10_x86: ksh and sh patch**

4237652 4402737 6208198 6261715 6264121 6277643

- **128351-01 – SunOS 5.10_x86: dhcprmgr.so.1 Patch**

6649124

- **128403-02 – SunOS 5.10_x86: etc/default/kbd patch**

6531321 6665088

- **128412-01 – SunOS 5.10_x86: vuidm patch**

6575427 6575828

- **136700-01 – X11 6.6.2_x86: Xvnc patch**

6572087

- **136714-01 – SunOS 5.10_x86: cmlb patch**

6545254

- **136715-01 – SunOS 5.10_x86: sysevent_conf_mod.so patch**

5066548 6390530

- **136725-01 – GNOME 2.6.0_x86: Gnome Help Viewer Patch**

6557388

- **136840-01 – Service Tags SunOS 5.10_x86**

6628800 6628801 6628807 6628819 6629884 6603009 6615494 6613776 6634402 6615486 6616213
6618774 6560550 6570928 6570978 6599690 6601396 6616074 6635699

- **136883-01 – SunOS 5.10_x86: ImageMagick patch**

6387973 6387975

- **136886-03 – SunOS 5.10_x86: iscsi patch**

6415430 6591494 6601021 6614240 6641710 6649178

- **136999-02 – SunOS 5.10_x86: PostgreSQL 8.2 core patch**

6563010 6583234 6590844 6605745 6606798 6618780 6630427 6643754 6649753

- **137001-02 – SunOS 5.10_x86: PostgreSQL 8.2 documentation patch**

6630427 6643754

- **137003-01 – SunOS 5.10_x86: PostgreSQL 8.2 TCL binding library patch**

6590844 6630427

- **137005-02 – SunOS 5.10_x86: PostgreSQL 8.2 source code**

6630427 6643754

- **137018-01 – SunOS 5.10_x86: crontab patch**

6344121

- **137020-01 – SunOS 5.10_x86: snmpXdmid patch**

6450410

- **137022-01 – SunOS 5.10_x86: format patch**

4670406 4855218 4934259 4968226 5090022 6194015 6194723 6203470 6209502 6265652 6275431
6296988 6300267 6326547 6334882 6335611 6338653 6340778 6349487 6375238 6382698 6410488
6421970 6491236

- **137024-01 – SunOS 5.10_x86: time.h patch**

6506270

- **137029-01 – SunOS 5.10_x86: pcihp patch**

6527811

- **137031-01 – SunOS 5.10_x86: praudit patch**

6579524

- **137033-01 – SunOS 5.10_x86: namefs patch**

6581308

- **137035-01 – SunOS 5.10_x86: ttymon patch**

6586939

- **137037-01 – SunOS 5.10_x86: cdrw patch**

5097578 6226041 6237805 6237817 6239665 6297848 6327126 6346283 6372024 6373496 6374677
6383886 6416089 6426744 6592397 6614671 6619804

- **137047-01 – SunOS 5.10_x86: amd8111s patch**

6465466

- **137081-01 – SunOS 5.10_x86: libpng Patch**

6555900

- **137085-01 – SunOS 5.10_x86: setfacl patch**

4769168

- **137087-01 – SunOS 5.10_x86: zoneadmd patch**

6616075

- **137089-01 – SunOS 5.10_x86: tar patch**

6205524 6578528

- **137092-01 – SunOS 5.10_x86: arp patch**

6633378

- **137094-01 – SunOS 5.10_x86: logindevperm patch**

6350890

- **137096-01 – SunOS 5.10_x86: libfmd_snmp.so.1 patch**

6480198 6541833

- **137098-01 – SunOS 5.10_x86: inetd-upgrade patch**

6392582

- **137103-01 – SunOS 5.10_x86: flowacct patch**

6509271 6574028 6617250

- **137104-01 – SunOS 5.10_x86: libdladm.so.1 patch**

6618501

- **137116-01 – SunOS 5.10_x86: SUNWcsr/postinstall patch**

6614543

- **137148-03 – SunOS 5.10_x86: libexpat patch**

6544688 6657045 6666579

- **137275-01 – SunOS 5.10_x86: etc/mnttab patch**

6452799

- **137277-01 – SunOS 5.10_x86: uucico patch**

6500236 6542991

- **137279-01 – SunOS 5.10_x86: ipsecconf patch**

6629735 6629812

- **137281-01 – SunOS 5.10_x86: dld patch**

6508808 6607099

- **137283-01 – SunOS 5.10_x86: intpexec patch**

4848995

- **137322-01 – SunOS 5.10_x86: p7zip patch**

6657692

- **119080-12 – SunOS 5.10_x86: SPECIAL PATCH: For Script Files**

4691624 4915974 6199119 6207842 6210697 6212675 6213084 6215509 6221079 6223059 6226968
6229753 6233613 6234157 6237500 6238277 6242365 6243456 6252550 6273106 6324123 6326533
6231947 6251841 6222202 6217410 6344138

- **119089-11 – SunOS 5.10_x86: SPECIAL PATCH: SUNWqlc package install updates patch**

6210934 6236343 6292280 6292987 6303297 6320936 6321523 6428334 6430552 6439910 6458629
6520427 6611264 6617216 6644627

- **119093-10 – SunOS 5.10_x86: SPECIAL PATCH: iSCSI Script Patch to replace package scripts**

5094124 6207973 6213487 6239078 6251575 6380424 6394294 6418007 6449666 6484779

- **120225-07 – SunOS 5.10_x86: SPECIAL PATCH: Emulex-Sun Fibre Channel Adapter driver**

6267262 6325753 6333054 6333059 6340896 6340901 6447084 6466086 6513802 6609814 6624434

- **120275-02 – SunOS 5.10_x86: SPECIAL PATCH: For postinstall File**

6191915 6349501 6367337

- **120314-01 – SunOS 5.10_x86: SPECIAL PATCH: For SCRIPT Files**

6286536

- **120345-01 – SunOS 5.10_x86: SPECIAL PATCH: Common Fibre Channel HBA API Library Script Patch**

6202863 6239116

- **120417-06 – SunOS 5.10_x86: SPECIAL PATCH: class action scripts patch**

6362324 6399243 6415636 6388988 6216641

- **120453-01 – SunOS 5.10_x86: SPECIAL PATCH: For editable files only**

5006767

- **120691-01 – SunOS 5.10_x86: SPECIAL PATCH : For depend File**

6299541

- **120747-01 – SunOS 5.10_x86: SUNWswmt patch**

6314804

- **120838-01 – SunOS 5.10_x86: SPECIAL PATCH: For DEPEND Files**

6213629

- **120933-01 – Solaris 10_x86: Live Upgrade to S10U1 fails due to checkinstall script**

6320417

- **120935-01 – Solaris 10_x86: Live Upgrade to S10U1 fails due to SUNWcccr postinstall**

6320433

- **121062-01 – SunOS 5.10_x86: motd Patch**

6222495

- **121307-02 – SunOS 5.10_x86: SPECIAL PATCH: For package level scripts only**

6323208 6336160

- **121464-08 – GNOME 2.6.0_x86: Gnome Accessibility Libraries Patch**

6347858 6340516 6358227 6386230 6431039 6377106 6437617 6534092 6554390

- **121576-01 – SunOS 5.10_x86: SPECIAL PATCH: For package level scripts only**

6345097

- **121672-01 – GNOME 2.6.0_x86: SPECIAL PATCH for SUNWPython package**

6199942 6247860 6318436 6318475 6340077

- **121680-02 – SunOS 5.10_x86: SPECIAL PATCH: Japanese Input System Wnn patch**

6362324

- **121779-10 – SunOS 5.10_x86: SPECIAL PATCH: For Script Files**

4920408 4931229 5026812 6229153 6232332 6281836 6287428 6301944 6308155 6310845 6310846
6310847 6317422 6336517 6342066 4721729 5059459 5059461 5067502 6181926 6198116 6216772
6278459 6287425 6288840 6331488 6332420 6332630 6336131 6347073 6352877 6355571 6355597
6368332 6372169 6372587 6210716 6355260 6372436 6359264 6303973 6394140 6331284 6434795

- **121781-10 – SunOS 5.10_x86: SPECIAL PATCH: For EDITABLE Files**

4920408 4931229 4831622 6178604 6232332 6281836 6301944 6308155 6342066 6353217 6359264
6364242 6403183 6377502 6326272 6303973 6427081 6426899

- **122022-01 – SunOS 5.10_x86: SPECIAL PATCH: For depend File**

6251877 6318184

- **122181-01 – SunOS 5.10_x86: Patch for North African locale issues**

6348993

- **122226-01 – SunOS 5.10_x86, SPECIAL PATCH: For Script Files**

6381140

- **122264-01 – SunOS 5.10_x86: SPECIAL PATCH: fp plug-in for cfgadm**

6319165

- **122417-06 – SunOS 5.10_x86: SPECIAL PATCH: class action scripts patch**

6318539 6487776 6550329 6556126 6482783 6567235 6586505

- **122701-02 – GNOME 2.6.0_x86: Gnome libs CAS Patch**

6348450 6394047 6399245

- **123124-02 – SunOS 5.10_x86, SPECIAL PATCH: For Script Files**

6423146

- **123141-01 – SunOS 5.10_x86: SPECIAL PATCH: For package level scripts only**

6415472

- **123145-01 – GNOME 2.6.0_x86: Gnome RealPlayer CAS Patch**

6414069

- **123261-12 – SunOS 5.10_x86: SPECIAL PATCH: For SCRIPT patch**

- **123536-01 – APOC 1.2_x86: depend patch**
6388397
- **123627-01 – SunOS 5.10_x86: SPECIAL PATCH: fp Script Patch to replace install components**
6385531
- **123873-02 – SunOS 5.10_x86, SPECIAL PATCH: For Script Files**
6450350 6466183
- **124094-02 – SunOS 5.10_x86: SPECIAL PATCH: For package level scripts only**
6438773 5016983
- **124142-01 – CDE 1.6_x86: SPECIAL PATCH: For SCRIPT patch**
- **124167-01 – SunOS 5.10_x86 : SPECIAL PATCH: Script patch for 120273-07**
- **125096-15 – SunOS 5.10_x86: SPECIAL PATCH: For SCRIPT patch**
- **125098-14 – SunOS 5.10_x86: SPECIAL PATCH: For EDITABLE files**
- **125275-01 – SunOS 5.10 5.10_x86: JDMK 5.1 patch**
6454450
- **125313-01 – SunOS 5.10_x86: SPECIAL PATCH: For 120720-02 patch**
- **125315-01 – SunOS 5.10_x86: SPECIAL PATCH: For 123591-02 patch**
- **125316-01 – SunOS 5.10_x86: SPECIAL PATCH: For 125216-01 patch**
- **125399-04 – SunOS 5.10_x86: SPECIAL PATCH: Japanese CAS scripts update for ZONE**
6487934 6533196 6556095 6586358
- **125536-03 – Openwindows 3.7.3_x86: SPECIAL PATCH: CAS script patch for ZONE**
6546216 6556140 6586553
- **125694-02 – SunOS 5.10_x86: SPECIAL PATCH: For package level scripts only**
6468994 6518999 6526153
- **125722-05 – X11 6.6.2_x86: SPECIAL PATCH: CAS script patch for ZONE**
6511222 6465304 6533151 6551011 6569917 6586407
- **125724-01 – X11 6.6.2_x86: SPECIAL PATCH: CAS scripts to install symlink for OpenGL**
6386535

- 125734-02 – SunOS 5.10_x86: SPECIAL PATCH: For 125732-01. SCRIPT patch
- 125736-01 – SunOS 5.10_x86: SPECIAL PATCH: For 123591-03 patch
- 125979-08 – SunOS 5.10_x86: SPECIAL PATCH: For package level scripts only

4745537 6264796 6480573 6386531 6474558 6486471 6555501 6560447

- 126122-01 – CDE 1.6_x86: SPECIAL PATCH: For SCRIPT patch
- 126124-01 – CDE 1.6_x86: SPECIAL PATCH: For SCRIPT patch
- 126213-01 – SunOS 5.10_x86: SPECIAL PATCH: depend files patch

6480370 6517773

- 126640-07 – SunOS 5.10_x86: SPECIAL PATCH: For SCRIPT patch
- 126919-01 – SunOS 5.10_x86: Trusted Extensions pam.conf modified patch SPECIAL PATCH: For package level scripts only

6563180

- 127686-02 – CDE 1.6_x86: SPECIAL PATCH: For SCRIPT patch
- 128012-10 – SunOS 5.10_x86: SPECIAL PATCH: For SCRIPT patch
- 128013-10 – SunOS 5.10_x86: SPECIAL PATCH: For EDITABLE files
- 128356-09 – SunOS 5.10_x86: SPECIAL PATCH: Script patch for SFW 10 and Solaris 10 update 5 build 10
- 128399-01 – SunOS 5.10_x86: SPECIAL PATCH: For SCRIPT patch - IHV-bin gate
- 137083-01 – SunOS 5.10_x86: SPECIAL PATCH: For SCRIPT patch IHV gate